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STRUCTURE FILE UPDATES: 25 AUG 2011 HIGHEST RN 1323485-64-8  
DICTIONARY FILE UPDATES: 25 AUG 2011 HIGHEST RN 1323485-64-8

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Users\rdesai\Documents\STN Express 8.4\Queries\10581177.str



chain nodes :

15 16 17 18

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14

chain bonds :

8-15 16-17 17-18

ring bonds :

1-2 1-6 1-7 1-10 2-3 3-4 4-5 5-6 7-8 8-9 9-10 9-11 10-14 11-12 12-13  
13-14

exact/norm bonds :

1-2 1-6 1-7 1-10 2-3 3-4 4-5 5-6 7-8 8-9 8-15 16-17 17-18

normalized bonds :

26/08/2011

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9-10 9-11 10-14 11-12 12-13 13-14

Match level :

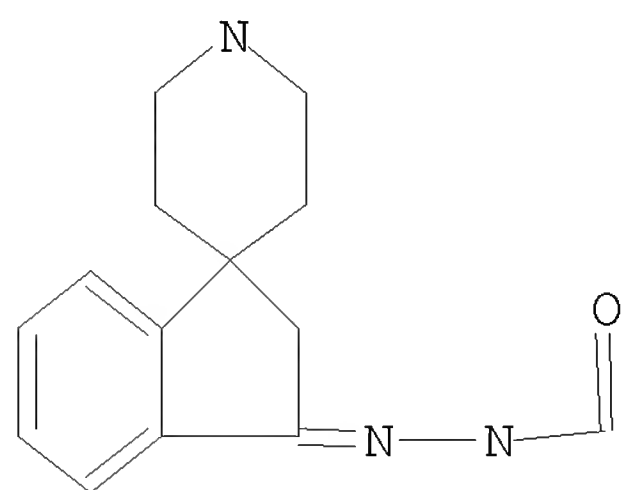
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11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 16:16:49 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 430 TO ITERATE

100.0% PROCESSED 430 ITERATIONS

41 ANSWERS

SEARCH TIME: 00.00.01

L2 41 SEA SSS FUL L1

=> s l1 ful

FULL SEARCH INITIATED 16:16:54 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 430 TO ITERATE

100.0% PROCESSED 430 ITERATIONS

41 ANSWERS

SEARCH TIME: 00.00.01

L3 41 SEA SSS FUL L1

=> file caplus

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This file contains CAS Registry Numbers for easy and accurate substance identification.

26/08/2011

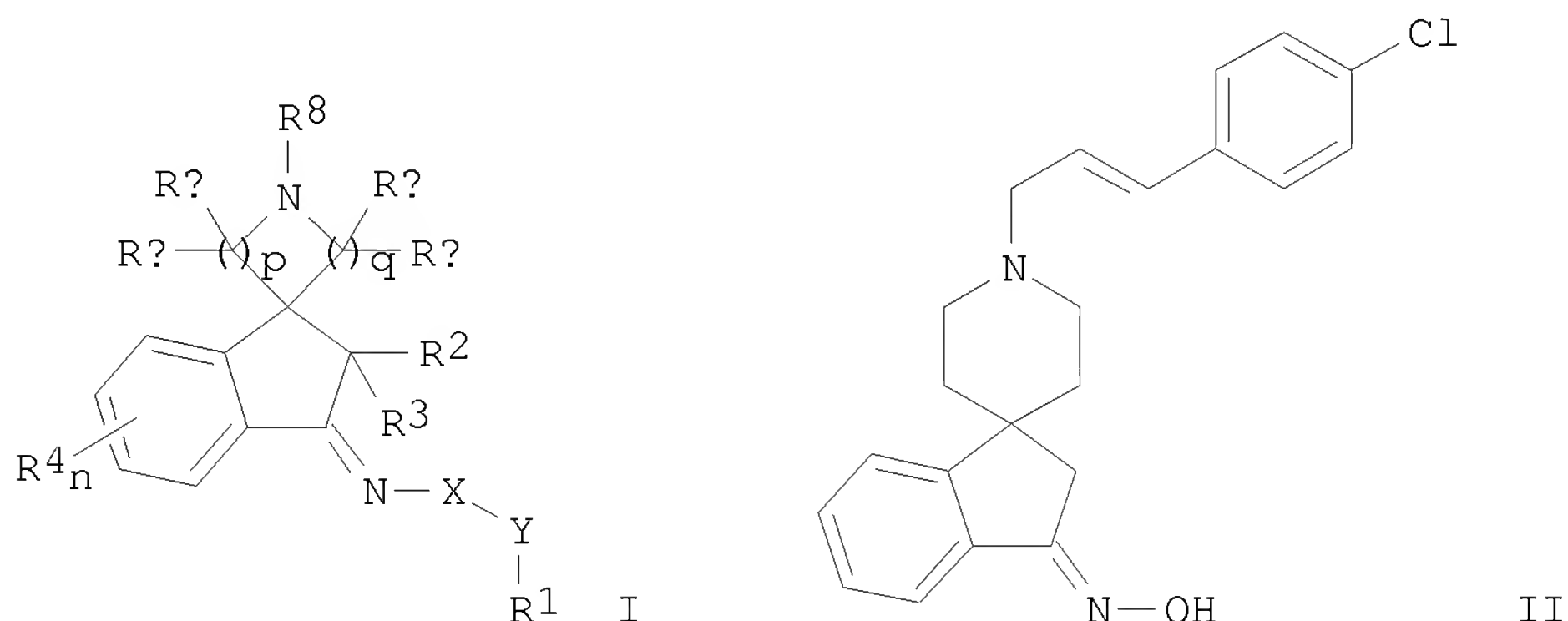
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=> s l3

L4                    1 L3

=> d abs bib hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2011 ACS on STN  
GI



AB Title compds. I [X = O, amino; Y = bond, CO, CS, SOO-2; R<sub>1</sub> = H, alkyl, alkoxy, carbonyl, etc.; R<sub>2-3</sub> = H, halo, CN, alkyl, etc.; R<sub>4</sub> = halo, NO<sub>2</sub>, CN, etc.; R<sub>a</sub> = H, halo, OH, CN, etc.; p, q = 0-6; R<sub>8</sub> = alk(en/yn)yl, etc.] are prepared For instance, II is prepared in 3 steps from spiro[indan-1-one-3,4'-piperidine]-1'-carboxylic acid tert Bu ester, 4-chlorocinnamyl chloride and hydroxylamine (E (dominant) and Z oximes isolated). Selected example compds. gave >80% control of *Spodoptera littoralis*. I are useful in controlling insects, acarines, nematodes or molluscs.

AN 2005:570877 CAPLUS

DN 143:77964

TI Preparation of insecticidal spiroindane derivatives

IN Cassayre, Jerome; Molleyres, Louis-Pierre; Maienfisch, Peter; Cederbaum, Fredrik

PA Syngenta Participations A.-G., Switz.

SO PCT Int. Appl., 114 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058836	A1	20050630	WO 2004-IB4108	20041209
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1697327	A1	20060906	EP 2004-806338	20041209
EP 1697327	B1	20110713		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS  
 BR 2004017555 A 20070327 BR 2004-17555 20041209  
 JP 2007516253 T 20070621 JP 2006-543659 20041209  
 AT 516273 T 20110715 AT 2004-806338 20041209  
 IN 2006CN02077 A 20070706 IN 2006-CN2077 20060612  
 US 20080306101 A1 20081211 US 2008-581177 20080828  
 PRAI GB 2003-28906 A 20031212  
 WO 2004-IB4108 W 20041209

## ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

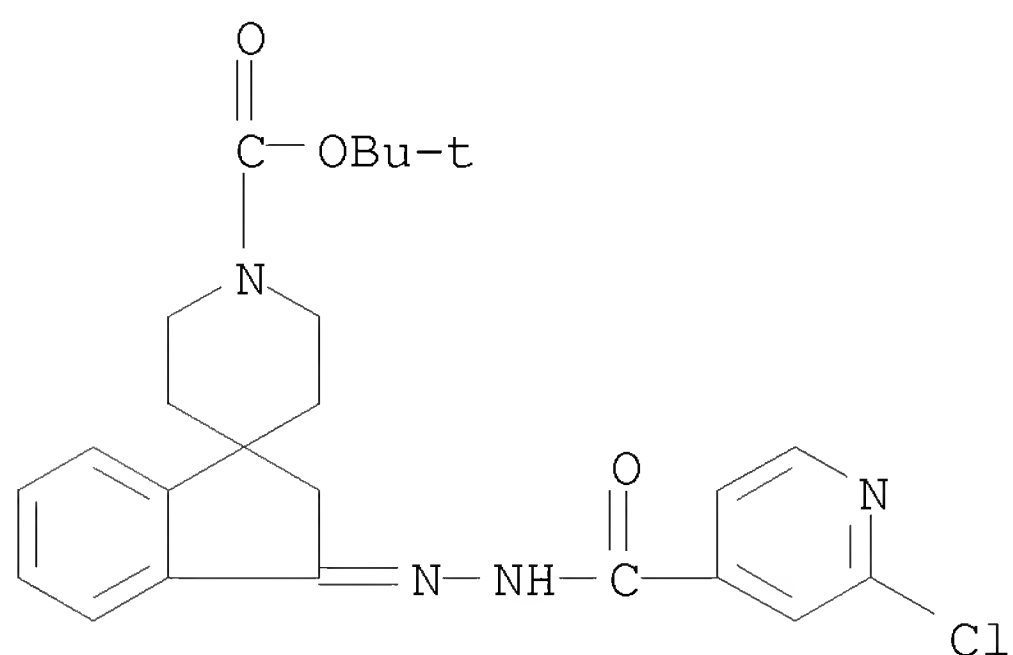
OS CASREACT 143:77964; MARPAT 143:77964

IT 855849-47-7P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT  
 (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP  
 (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of insecticidal spiroindane derivs. as insecticides,  
 acaracides, molluscicides and nematocides)

RN 855849-47-7 CAPLUS

CN Spiro[1H-indene-1,4'-piperidine]-1'-carboxylic acid,  
 3-[2-[(2-chloro-4-pyridinyl)carbonyl]hydrazinylidene]-2,3-dihydro-,  
 1,1-dimethylethyl ester (CA INDEX NAME)



IT 855849-48-8P 855849-49-9P 855849-50-2P  
 855849-51-3P 855849-52-4P 855849-53-5P  
 855849-54-6P 855849-55-7P 855849-56-8P  
 855849-57-9P 855849-58-0P 855849-59-1P  
 855849-60-4P 855849-61-5P 855849-62-6P  
 855849-63-7P 855849-64-8P 855849-65-9P  
 855849-66-0P 855849-67-1P 855849-68-2P  
 855849-69-3P 855849-70-6P 855849-71-7P  
 855849-72-8P 855849-73-9P 855849-74-0P  
 855849-75-1P 855849-76-2P 855849-77-3P  
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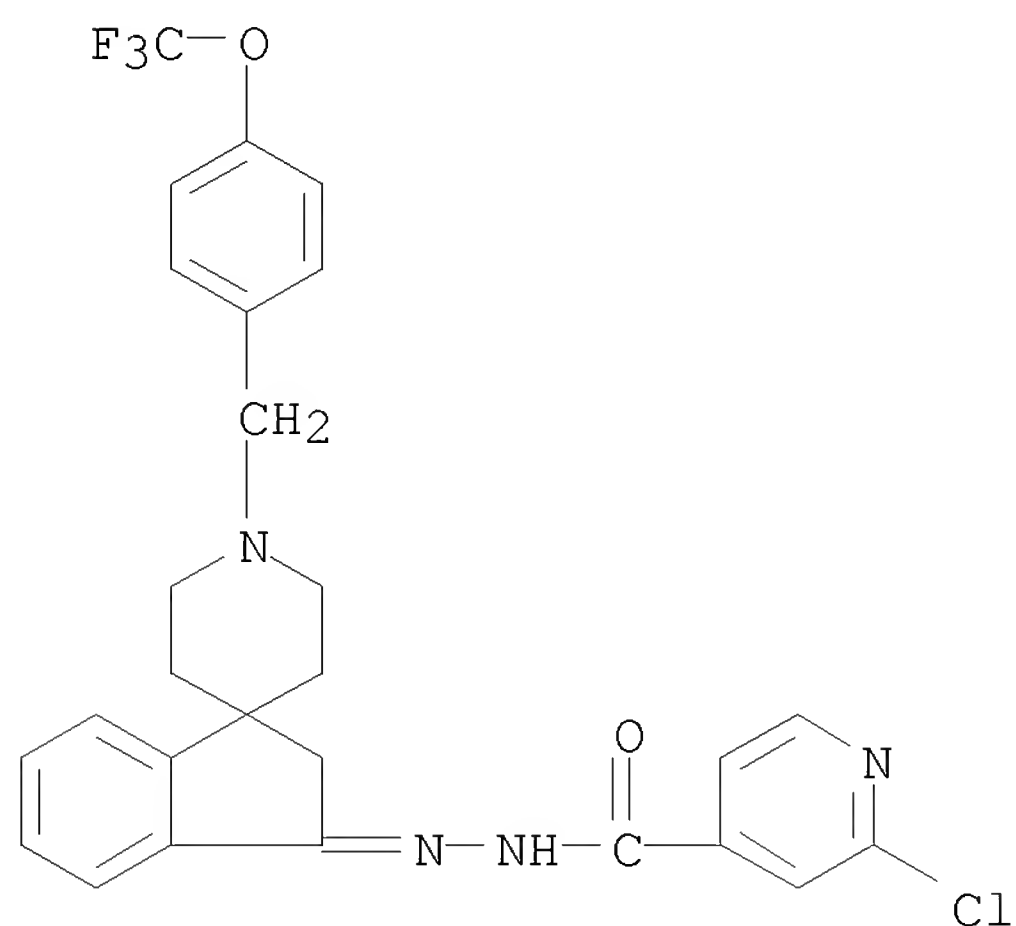
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)  
 (preparation of insecticidal spiroindane derivs. as insecticides,  
 acaracides, molluscicides and nematocides)

RN 855849-48-8 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-chloro-,  
 2-[2,3-dihydro-1'-[[4-(trifluoromethoxy)phenyl]methyl]spiro[1H-indene-1,4'-

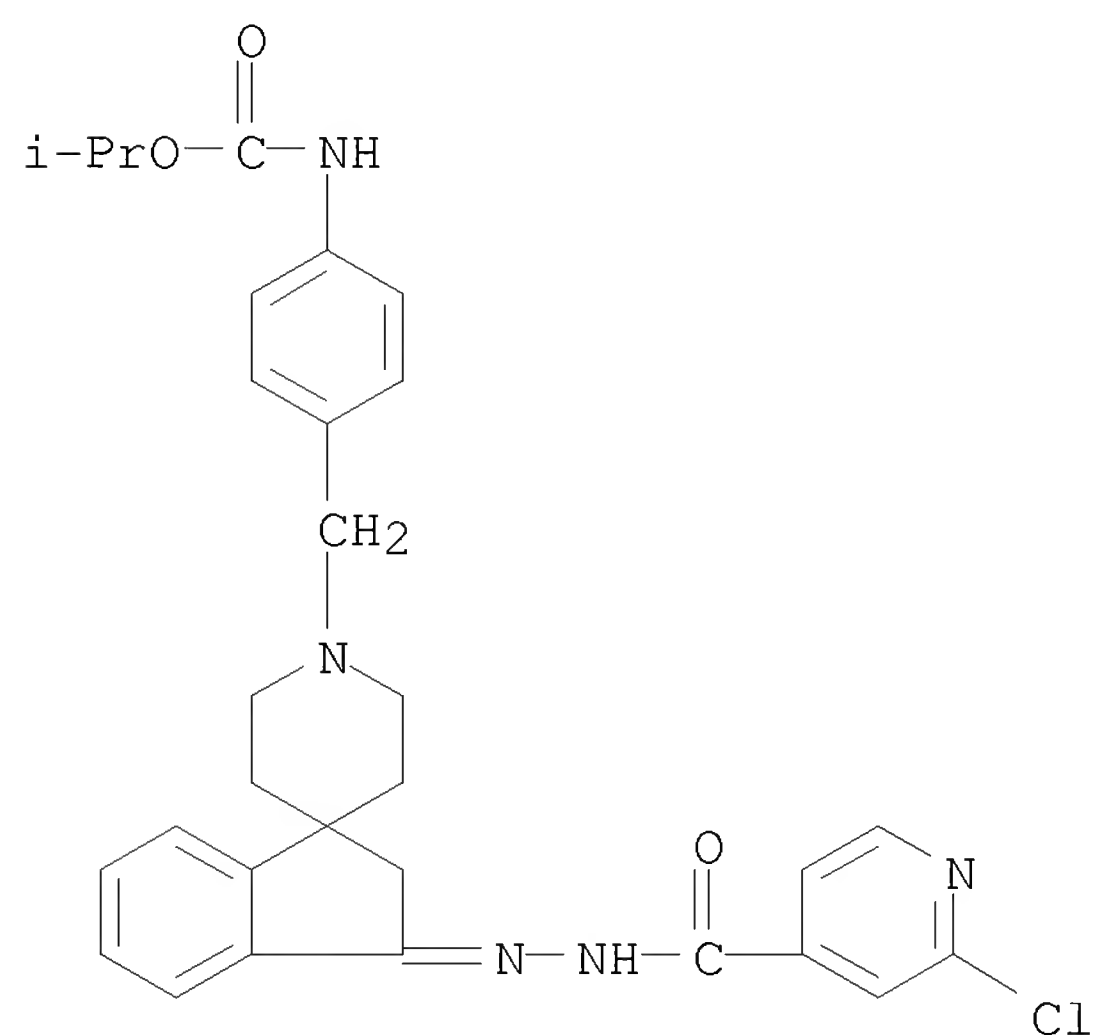
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piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



RN 855849-49-9 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[2,3-dihydro-1'-[[4-[(1-methylethoxy)carbonyl]amino]phenyl]methyl]spiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

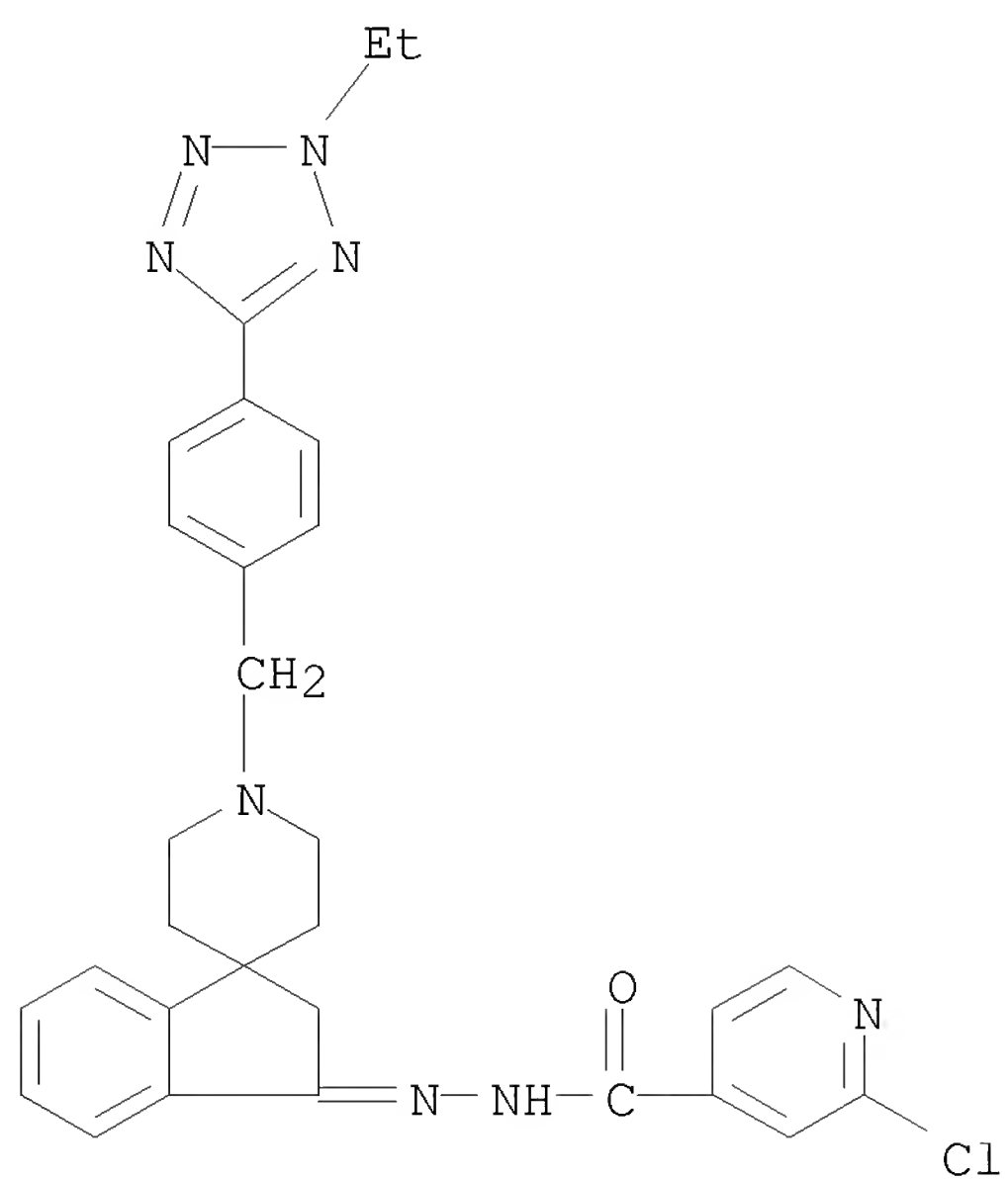


RN 855849-50-2 CAPLUS

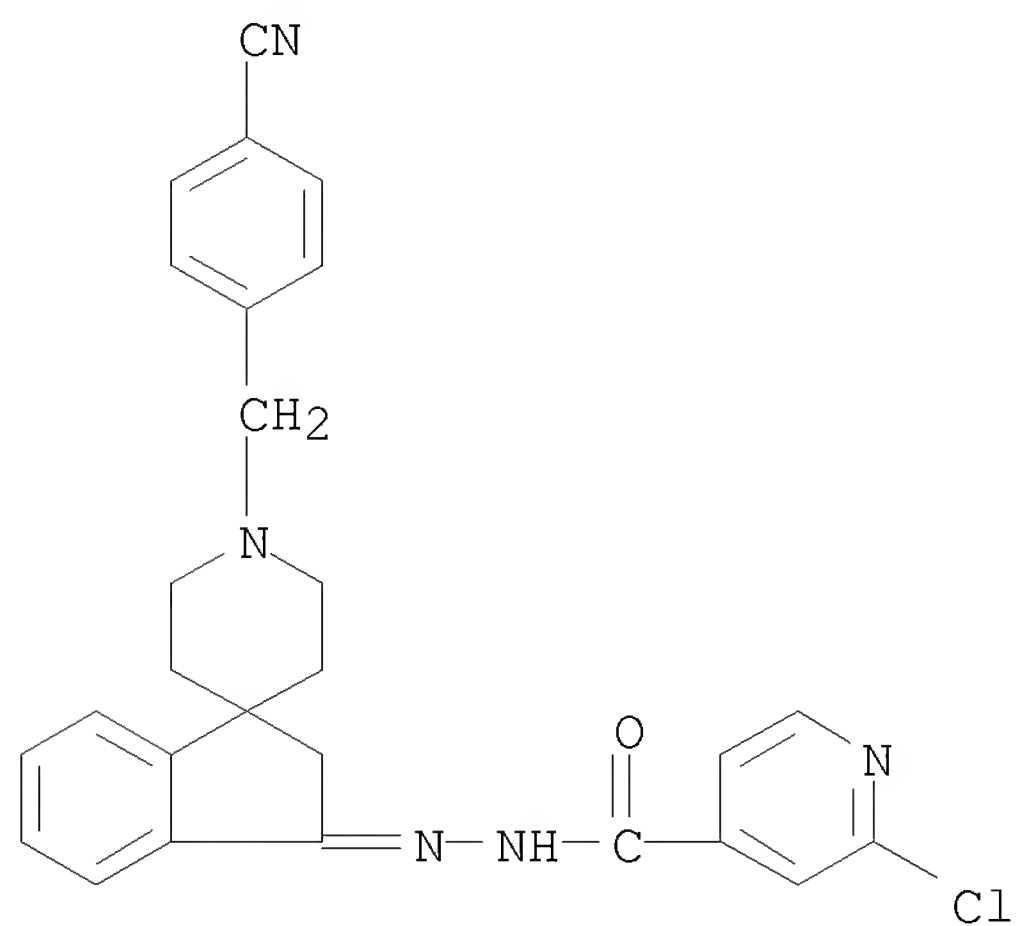
CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[1'-[[4-(2-ethyl-2H-tetrazol-5-yl)phenyl]methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

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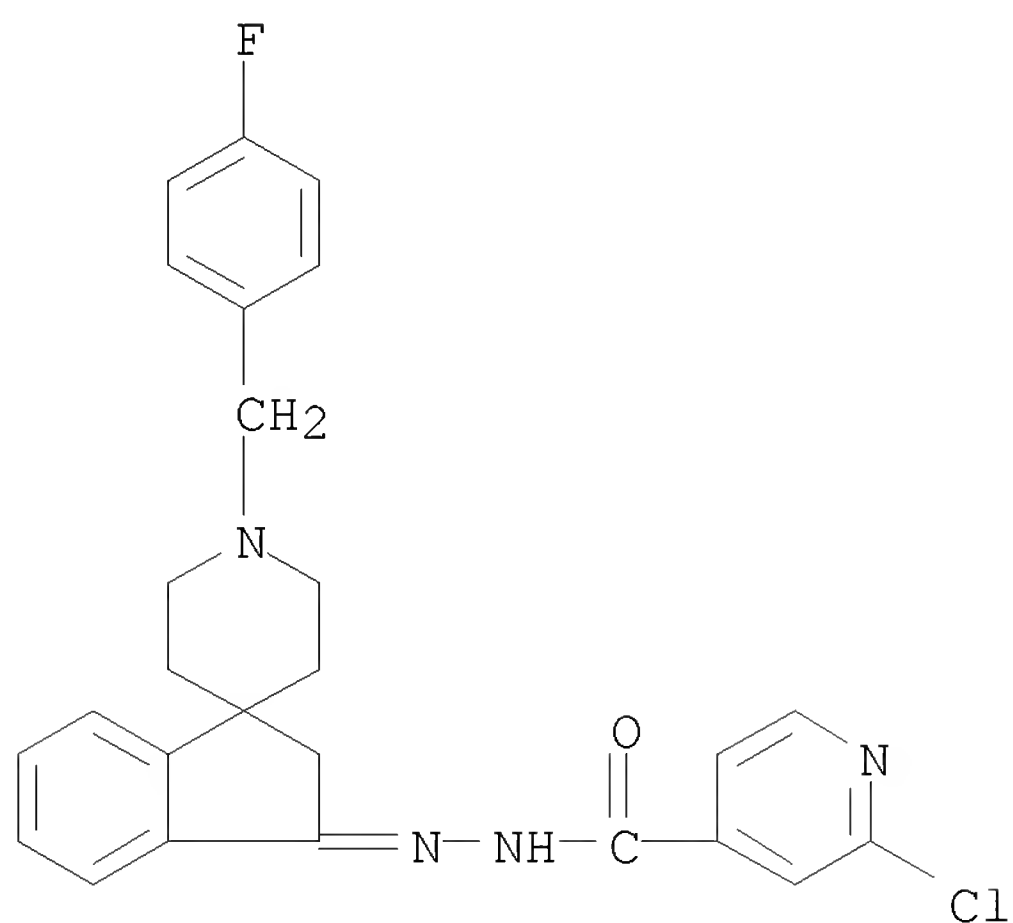
RN 855849-51-3 CAPLUS  
CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[1'-[(4-cyanophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



RN 855849-52-4 CAPLUS  
CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[1'-[(4-fluorophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

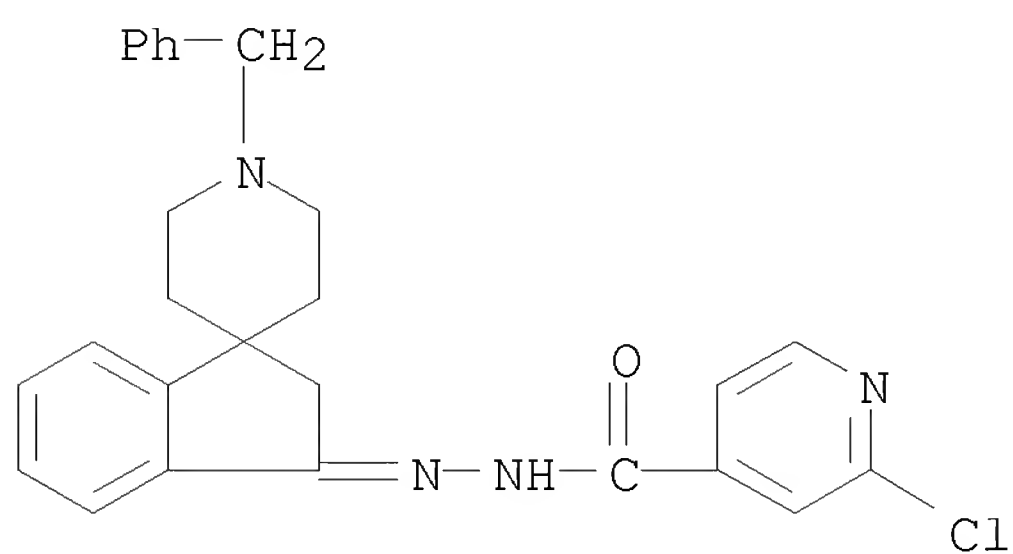
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RN 855849-53-5 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[2,3-dihydro-1'-(phenylmethyl)spiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

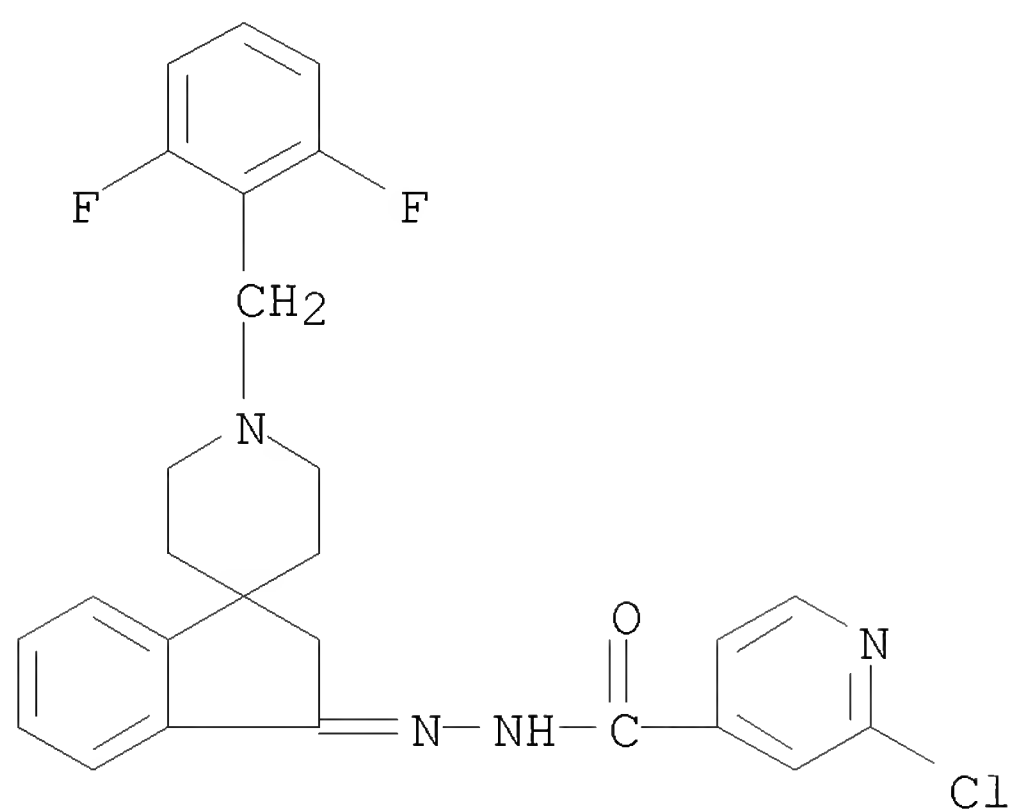


RN 855849-54-6 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[1'-[(2,6-difluorophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

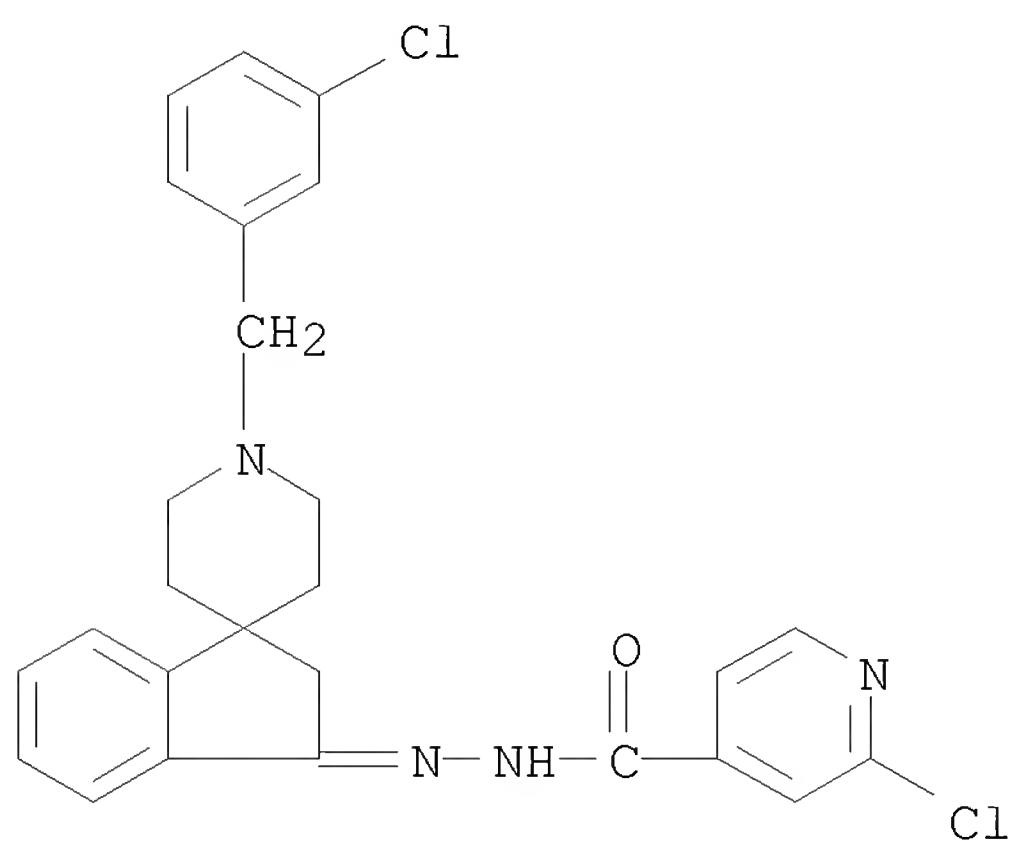


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RN 855849-55-7 CAPLUS

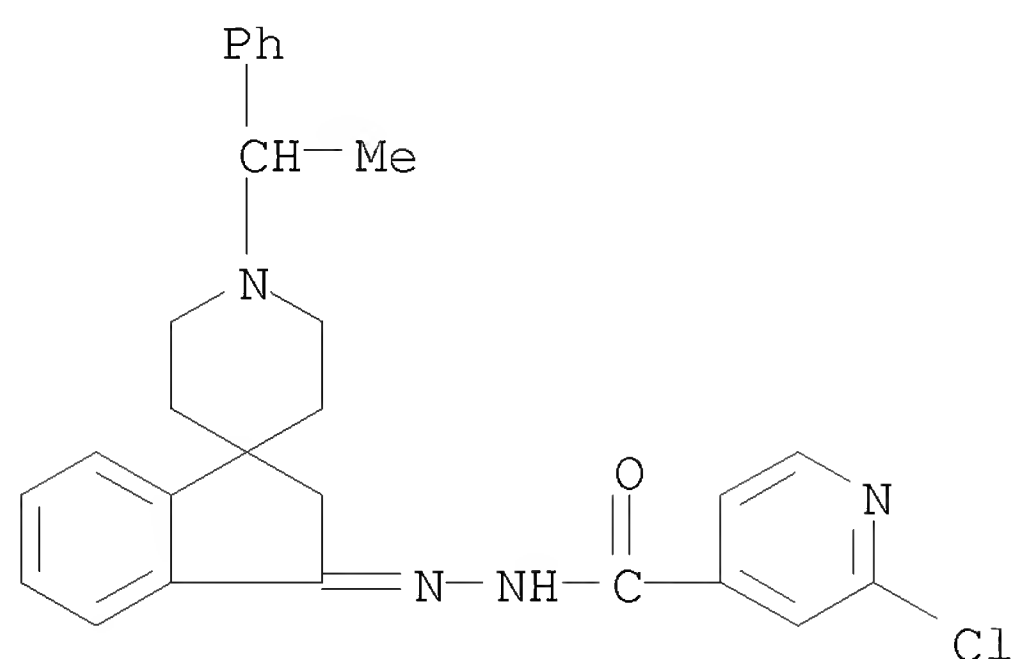
CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[1'-[(3-chlorophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-  
3-ylidene]hydrazide (CA INDEX NAME)



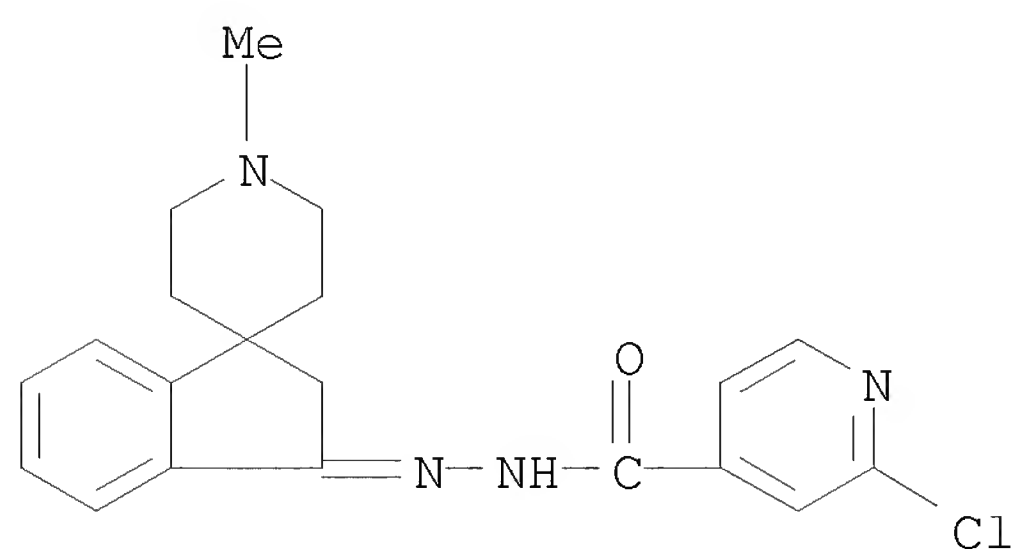
RN 855849-56-8 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[2,3-dihydro-1'-(1-phenylethyl)spiro[1H-indene-1,4'-piperidin]-3-  
ylidene]hydrazide (CA INDEX NAME)

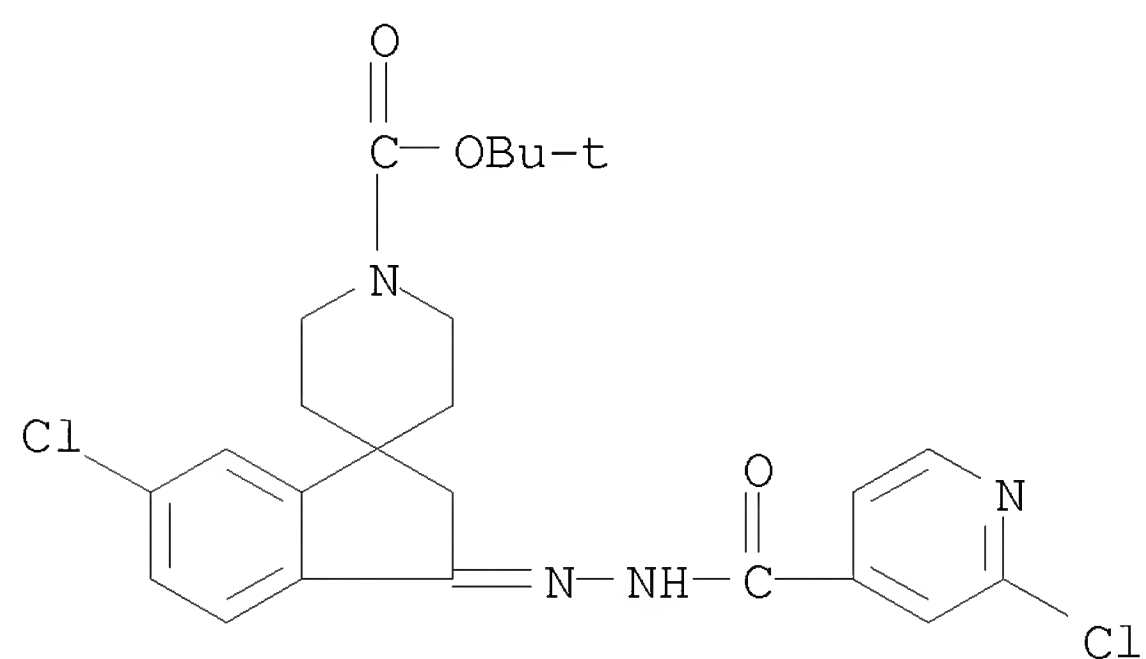
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RN 855849-57-9 CAPLUS  
CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-(2,3-dihydro-1'-methylspiro[1H-indene-1,4'-piperidin]-3-ylidene)hydrazide (CA INDEX NAME)



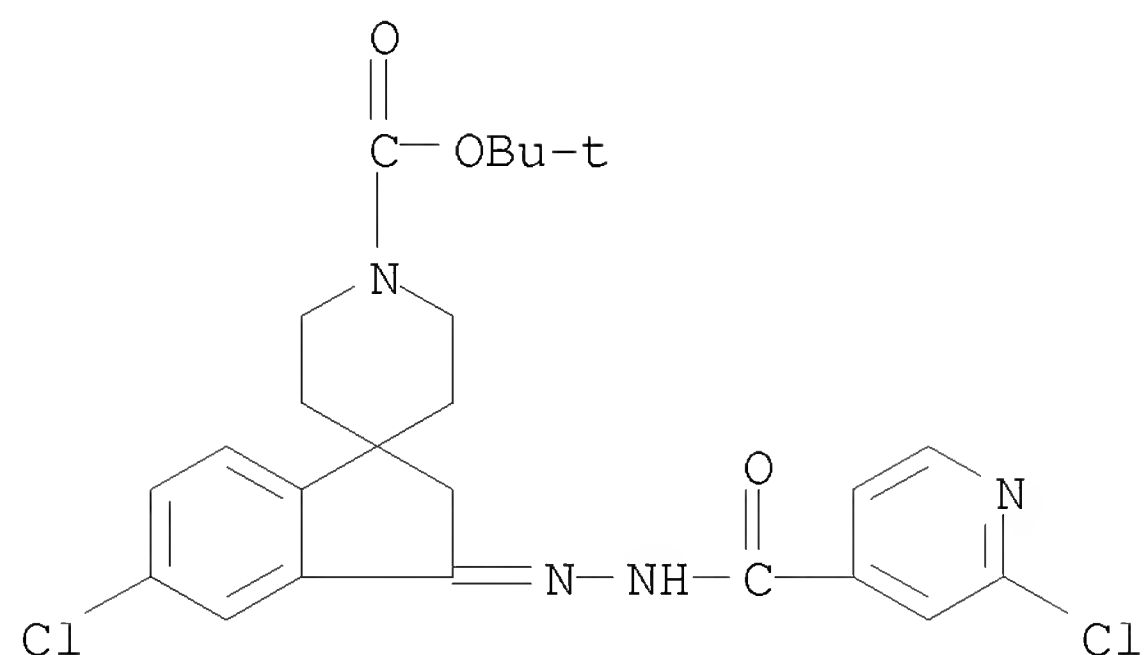
RN 855849-58-0 CAPLUS  
CN Spiro[1H-indene-1,4'-piperidine]-1'-carboxylic acid,  
6-chloro-3-[2-[(2-chloro-4-pyridinyl)carbonyl]hydrazinylidene]-2,3-dihydro-,  
1,1-dimethylethyl ester (CA INDEX NAME)



RN 855849-59-1 CAPLUS  
CN Spiro[1H-indene-1,4'-piperidine]-1'-carboxylic acid,  
5-chloro-3-[2-[(2-chloro-4-pyridinyl)carbonyl]hydrazinylidene]-2,3-dihydro-,  
1,1-dimethylethyl ester (CA INDEX NAME)

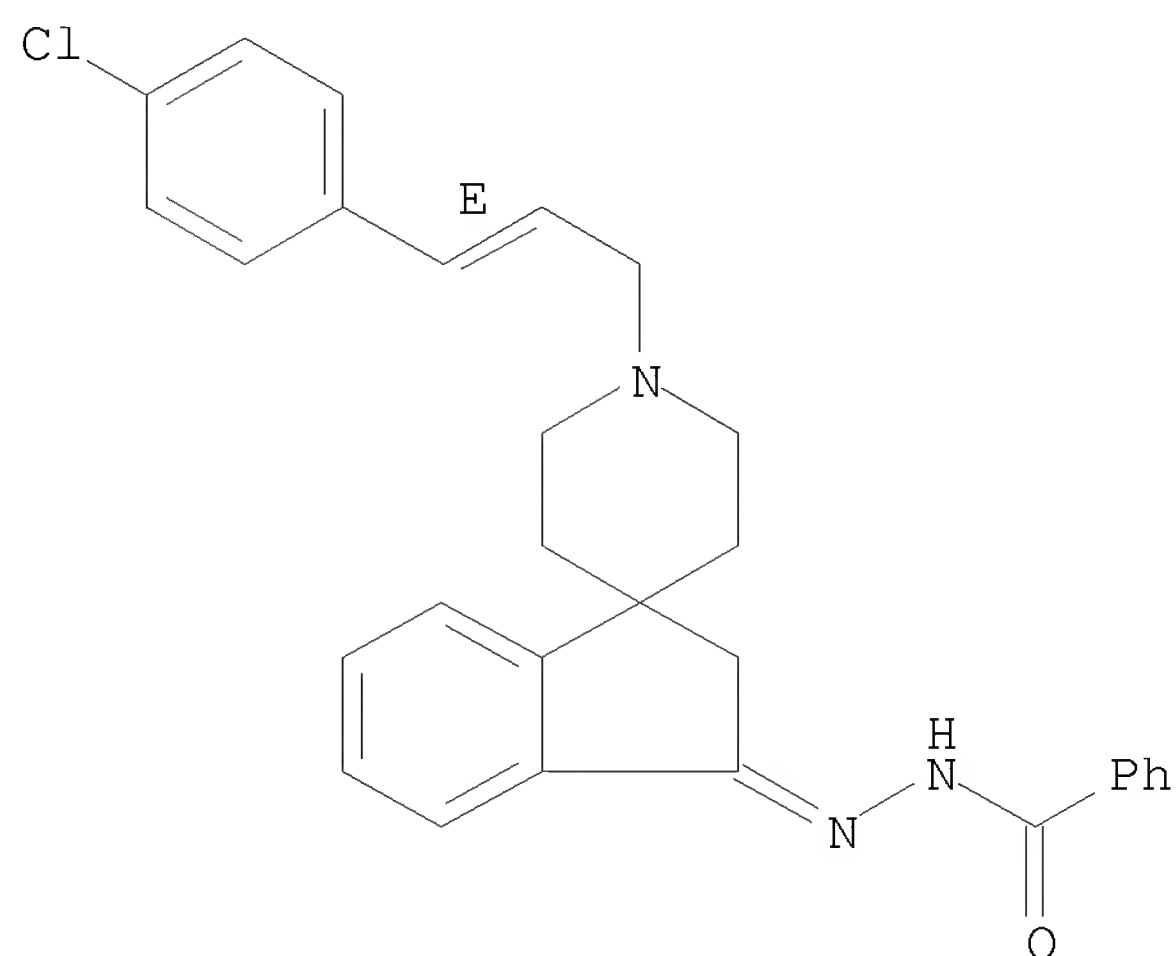
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RN 855849-60-4 CAPLUS  
CN Benzoic acid, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

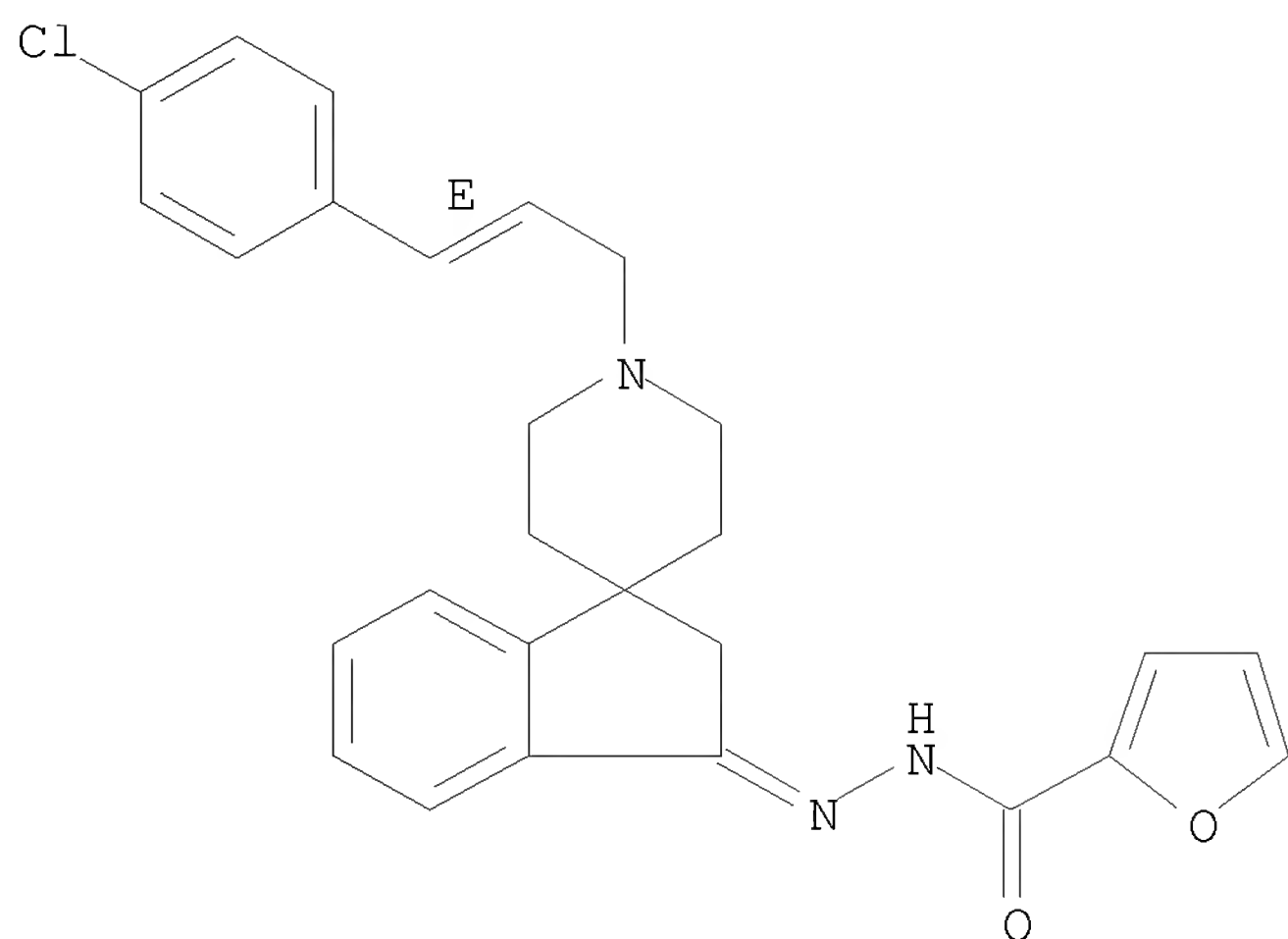
Double bond geometry as described by E or Z.



RN 855849-61-5 CAPLUS  
CN 2-Furancarboxylic acid, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.

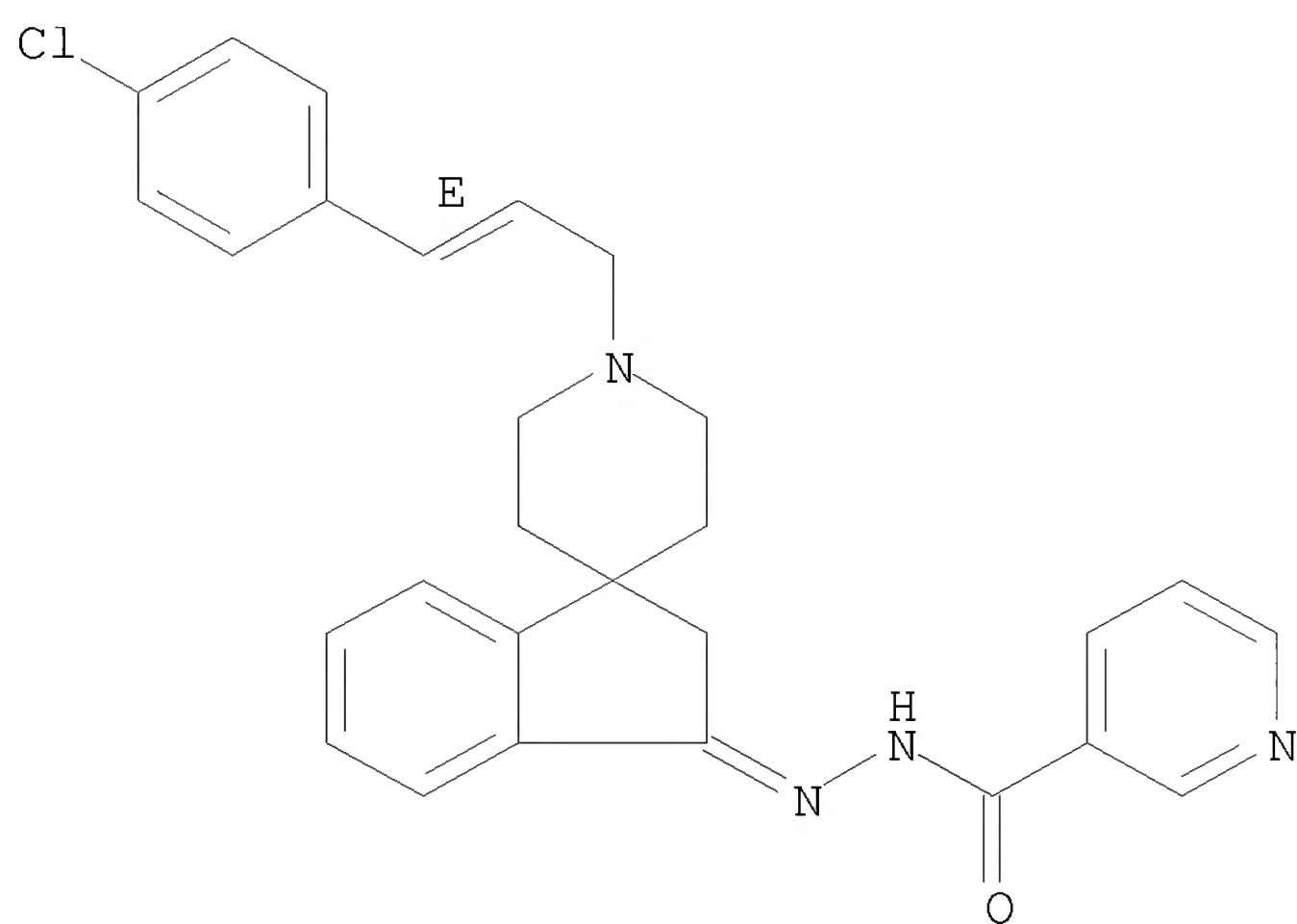
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RN 855849-62-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



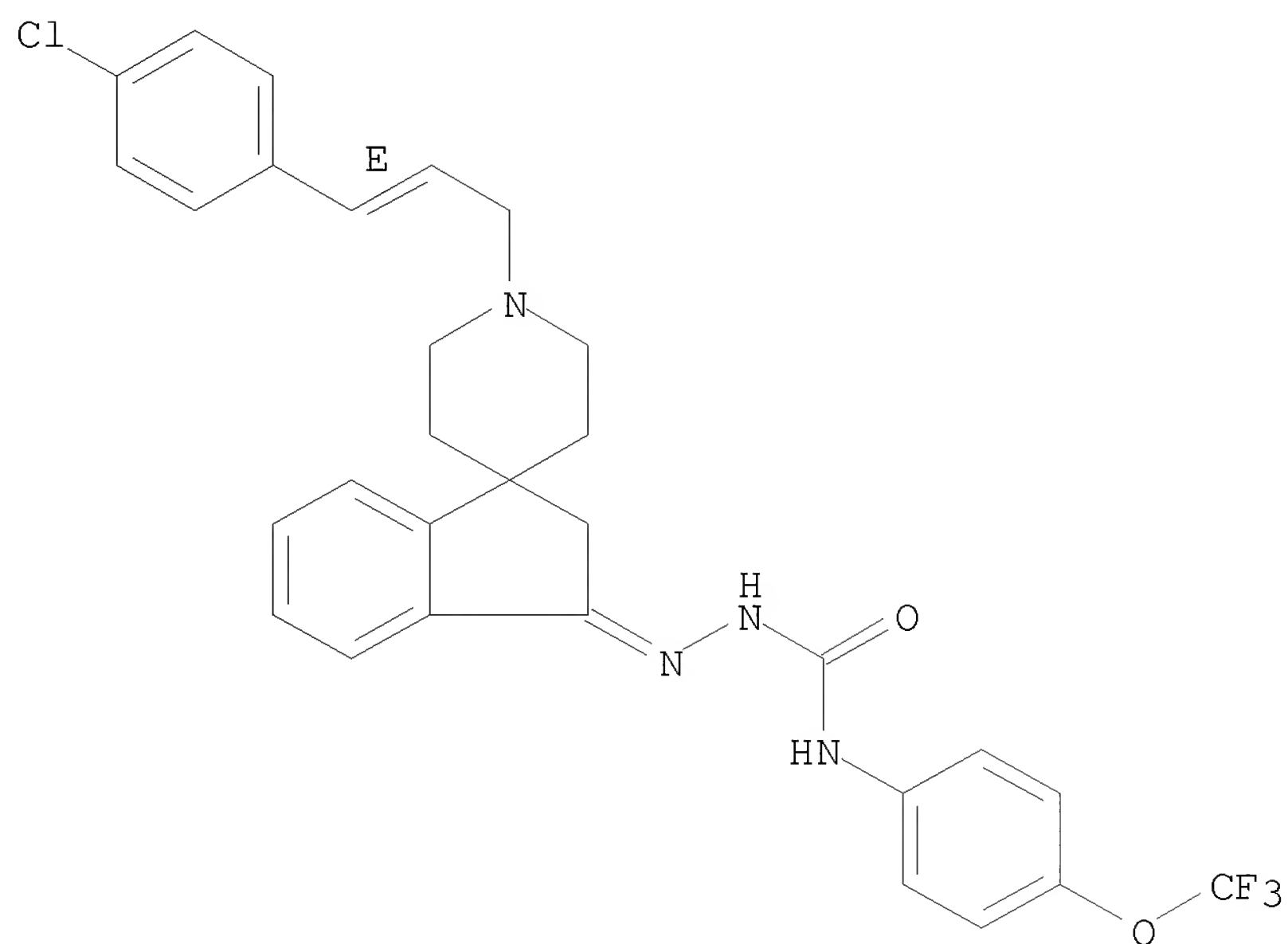
RN 855849-63-7 CAPLUS

CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)

Double bond geometry as described by E or Z.

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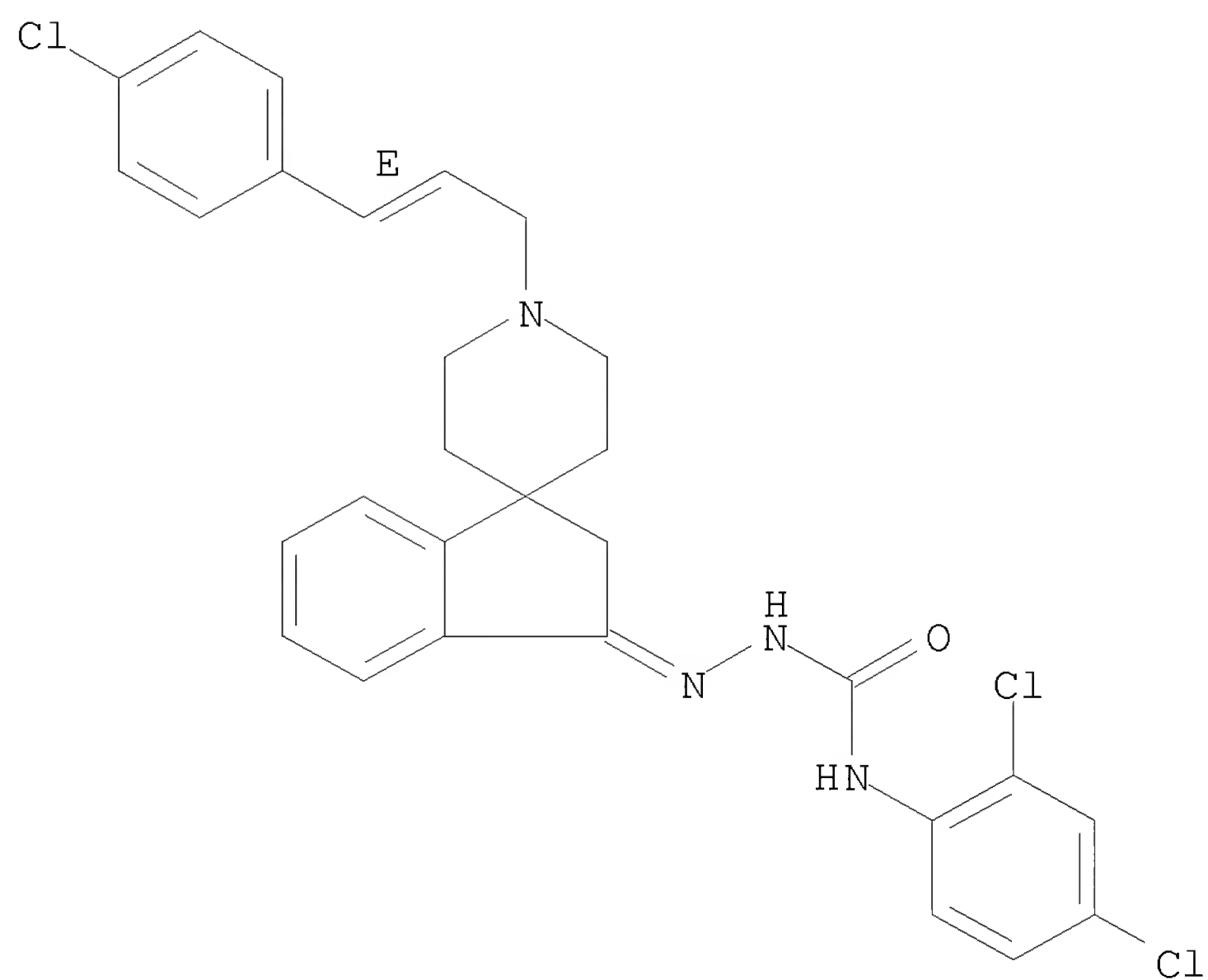
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RN 855849-64-8 CAPLUS

CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-(2,4-dichlorophenyl)-  
(CA INDEX NAME)

Double bond geometry as described by E or Z.



RN 855849-65-9 CAPLUS

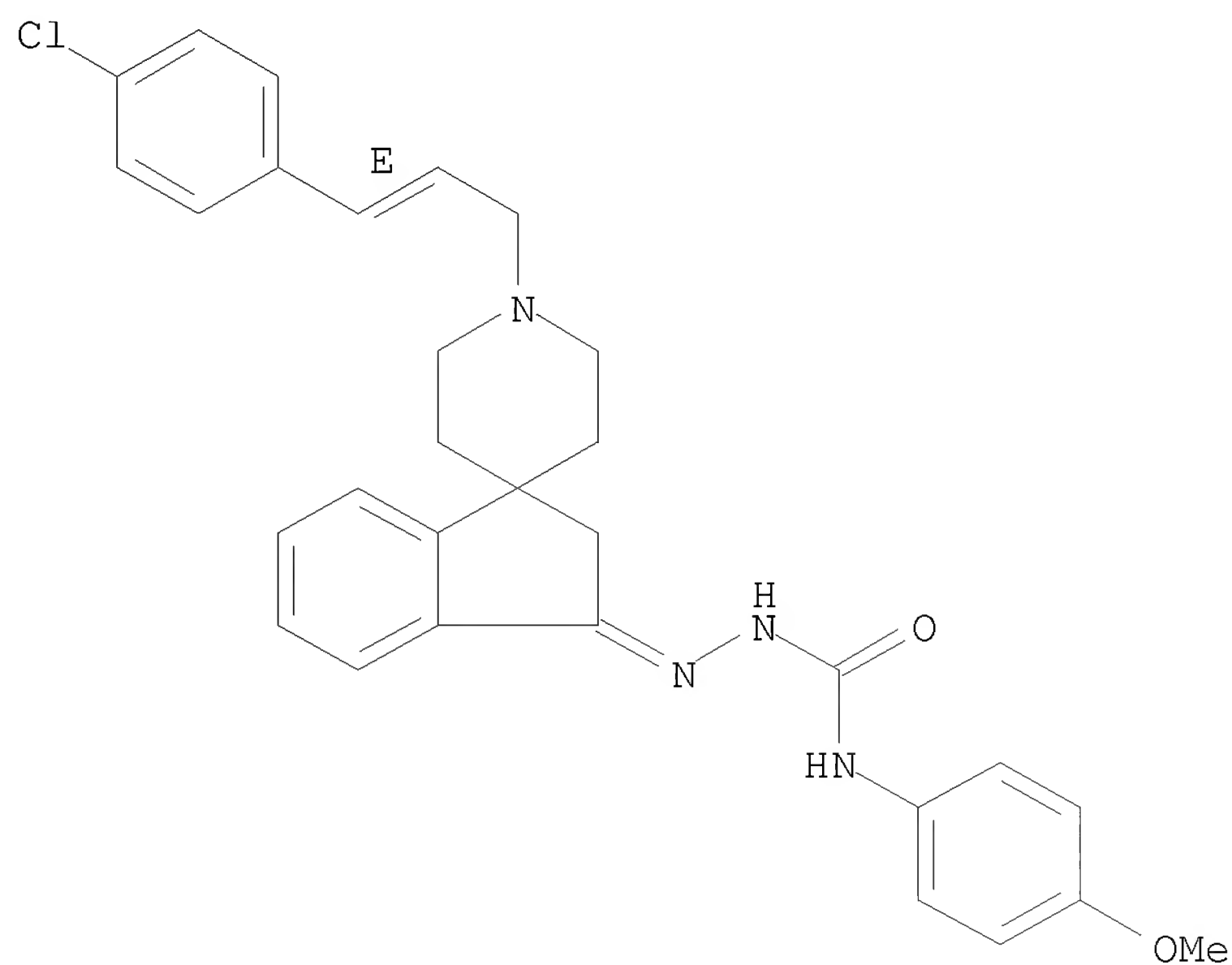
CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-(4-methoxyphenyl)-

26/08/2011

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(CA INDEX NAME)

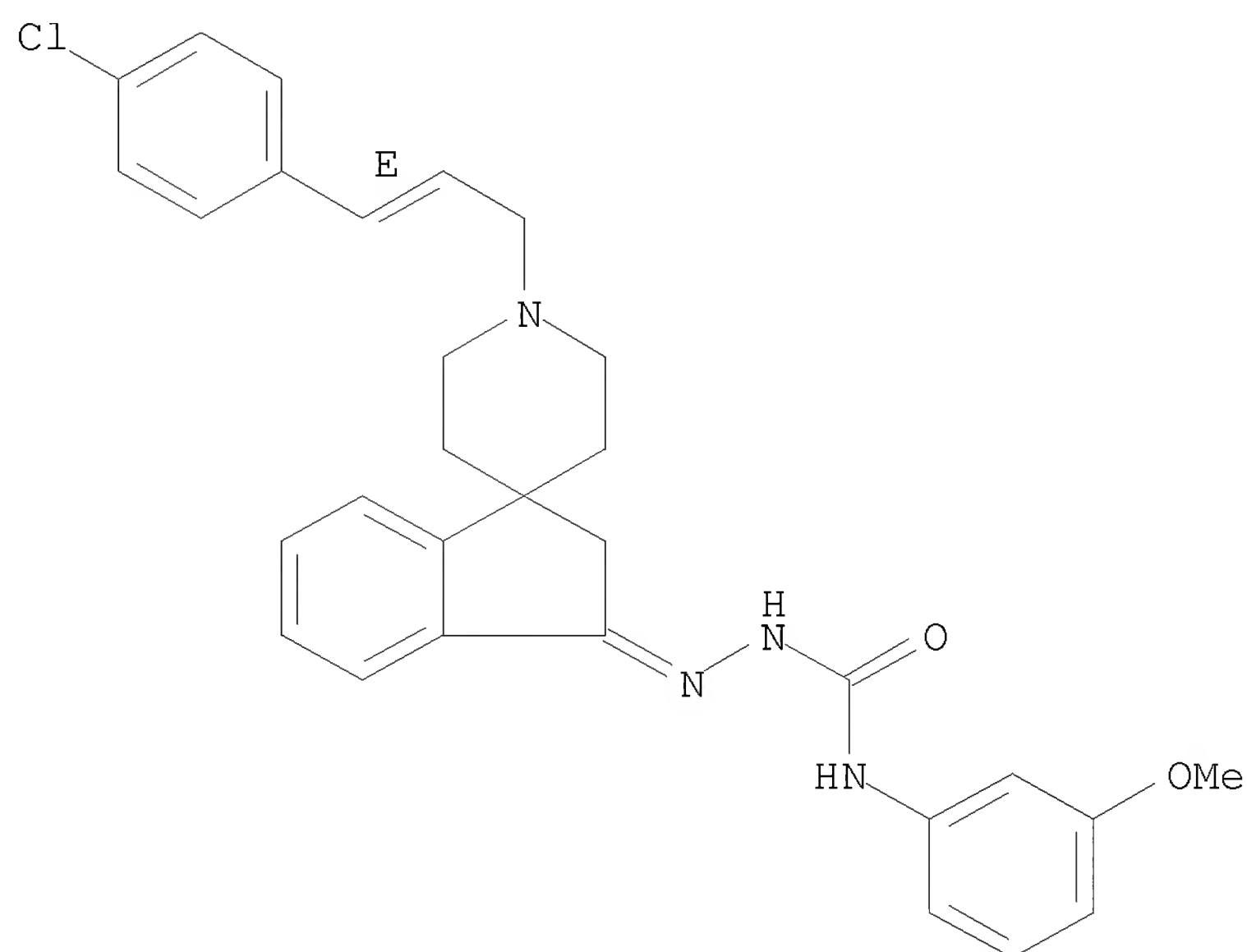
Double bond geometry as described by E or Z.



RN 855849-66-0 CAPLUS

CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-(3-methoxyphenyl)-  
(CA INDEX NAME)

Double bond geometry as described by E or Z.



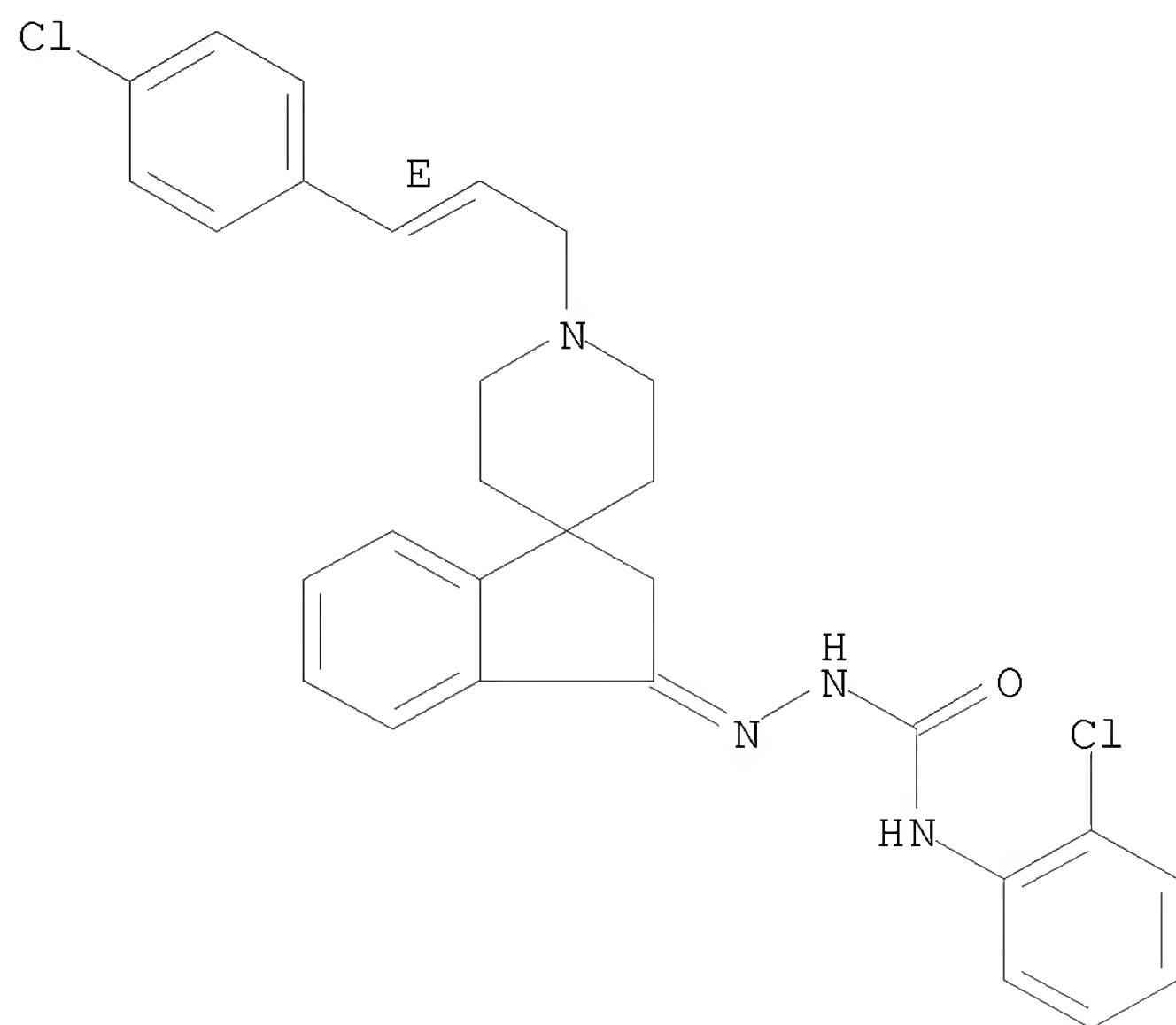
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26/08/2011

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CN Hydrazinecarboxamide, N-(2-chlorophenyl)-2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]- (CA INDEX NAME)

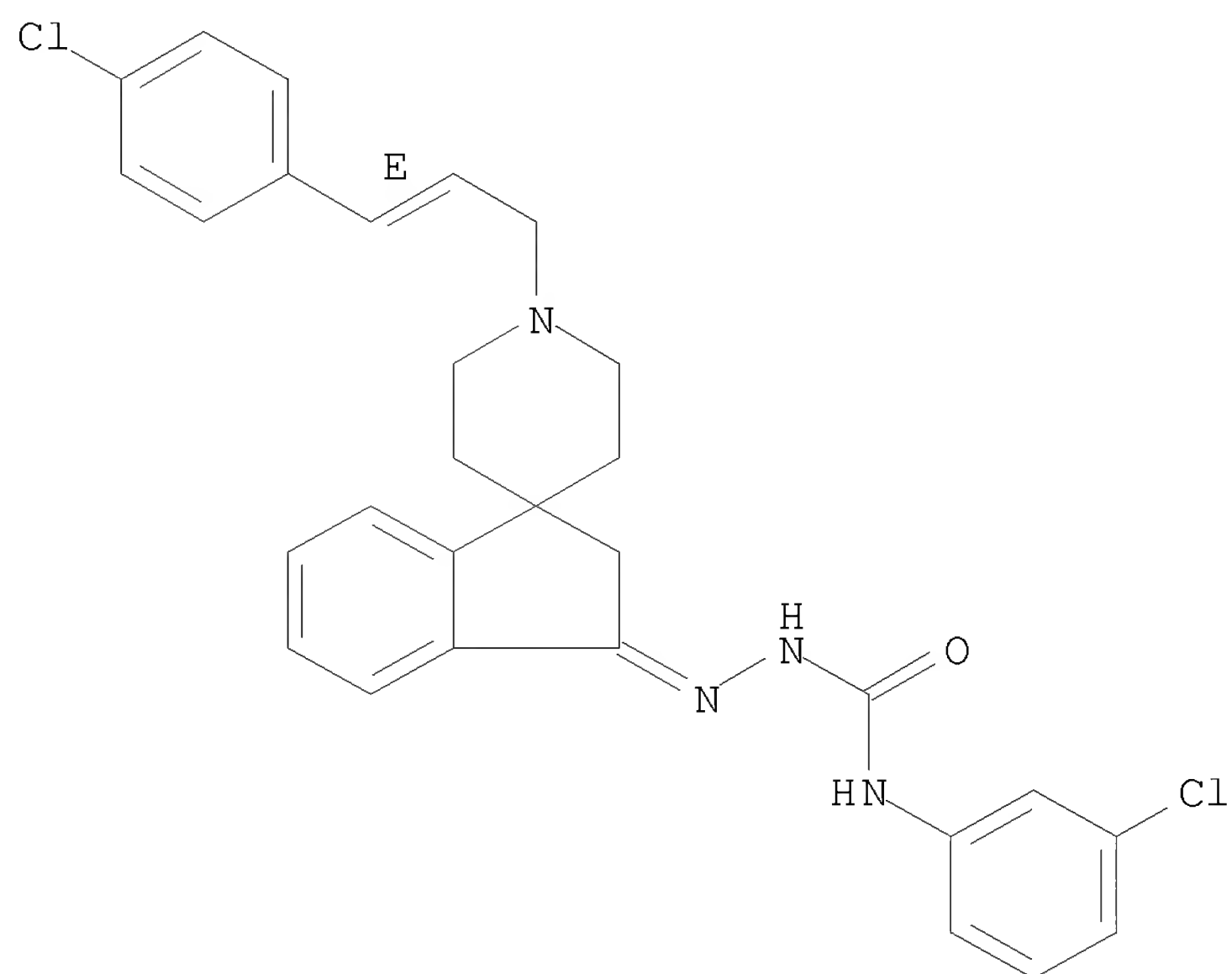
Double bond geometry as described by E or Z.



RN 855849-68-2 CAPLUS

CN Hydrazinecarboxamide, N-(3-chlorophenyl)-2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]- (CA INDEX NAME)

Double bond geometry as described by E or Z.



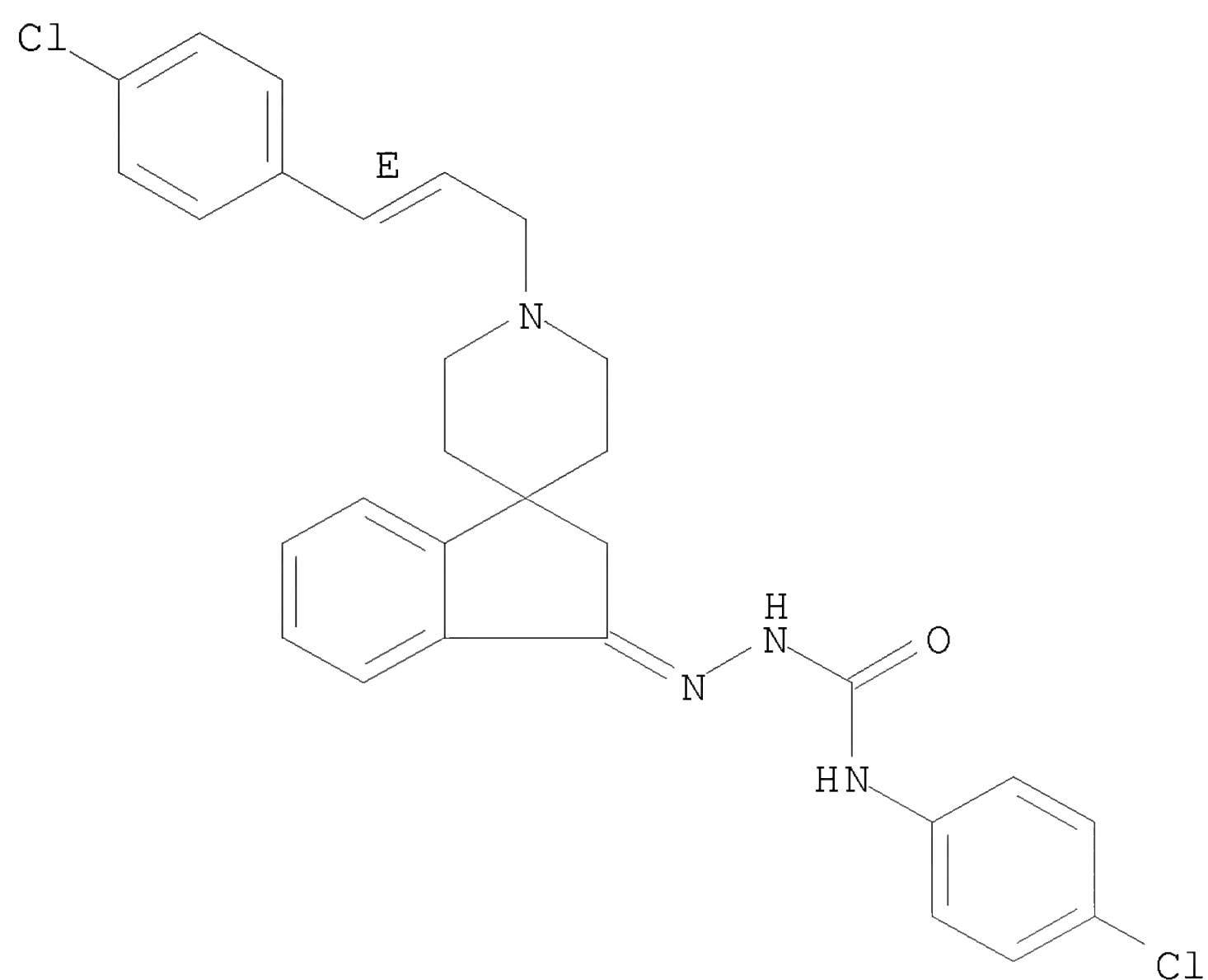
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RN 855849-69-3 CAPLUS

CN Hydrazinecarboxamide, N-(4-chlorophenyl)-2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]- (CA INDEX NAME)

Double bond geometry as described by E or Z.



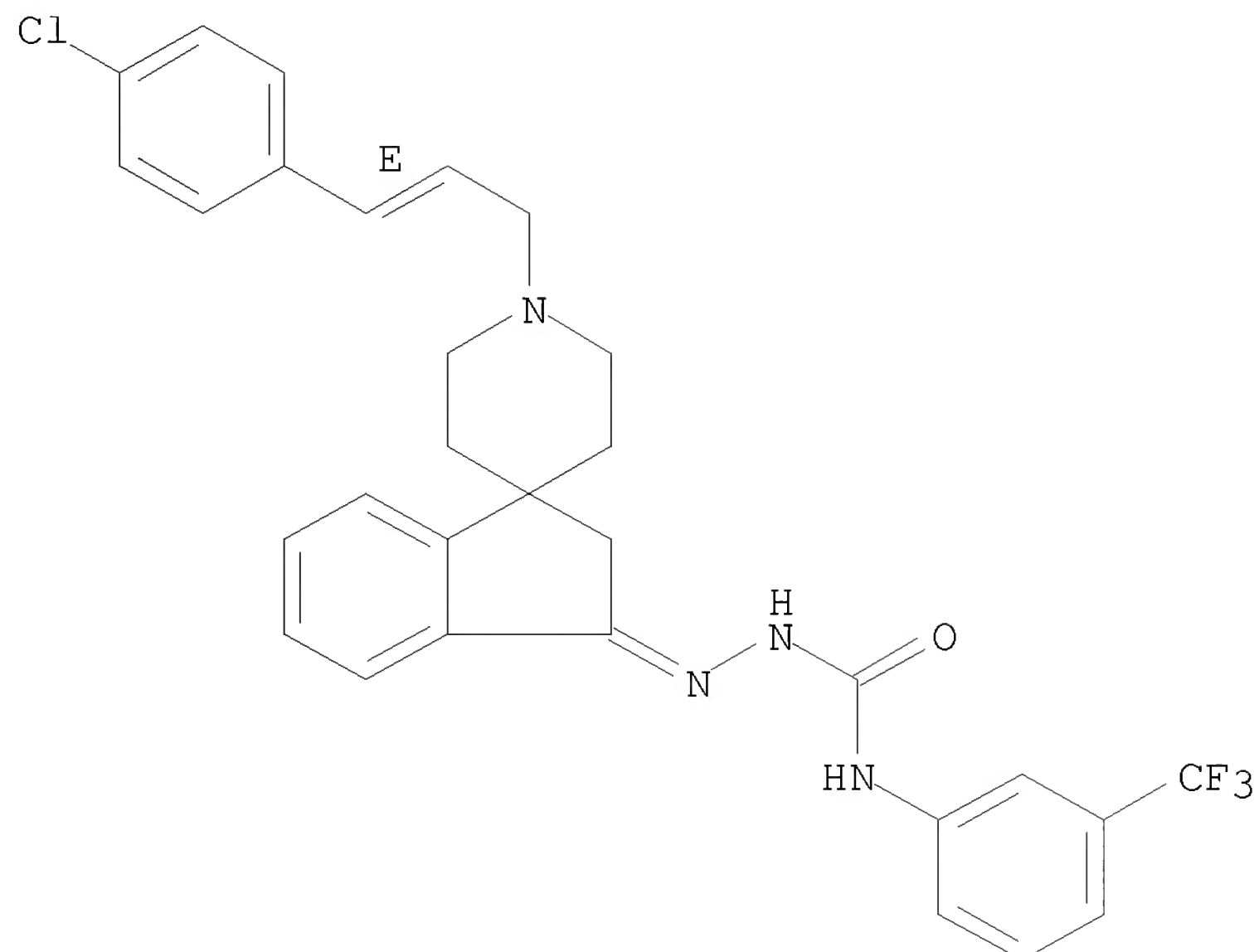
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CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

Double bond geometry as described by E or Z.

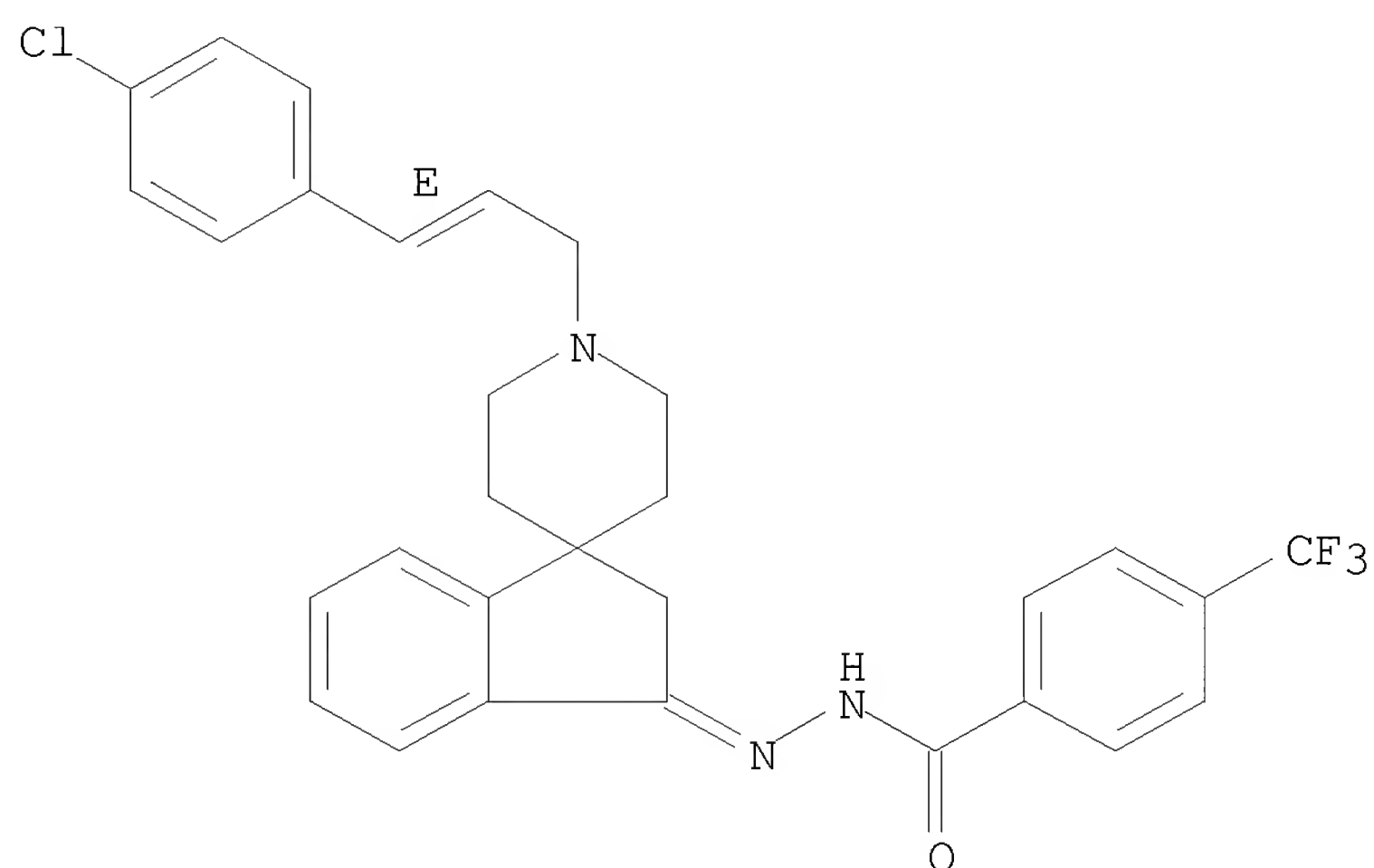


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RN 855849-71-7 CAPLUS  
CN Benzoic acid, 4-(trifluoromethyl)-,  
2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-  
1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.

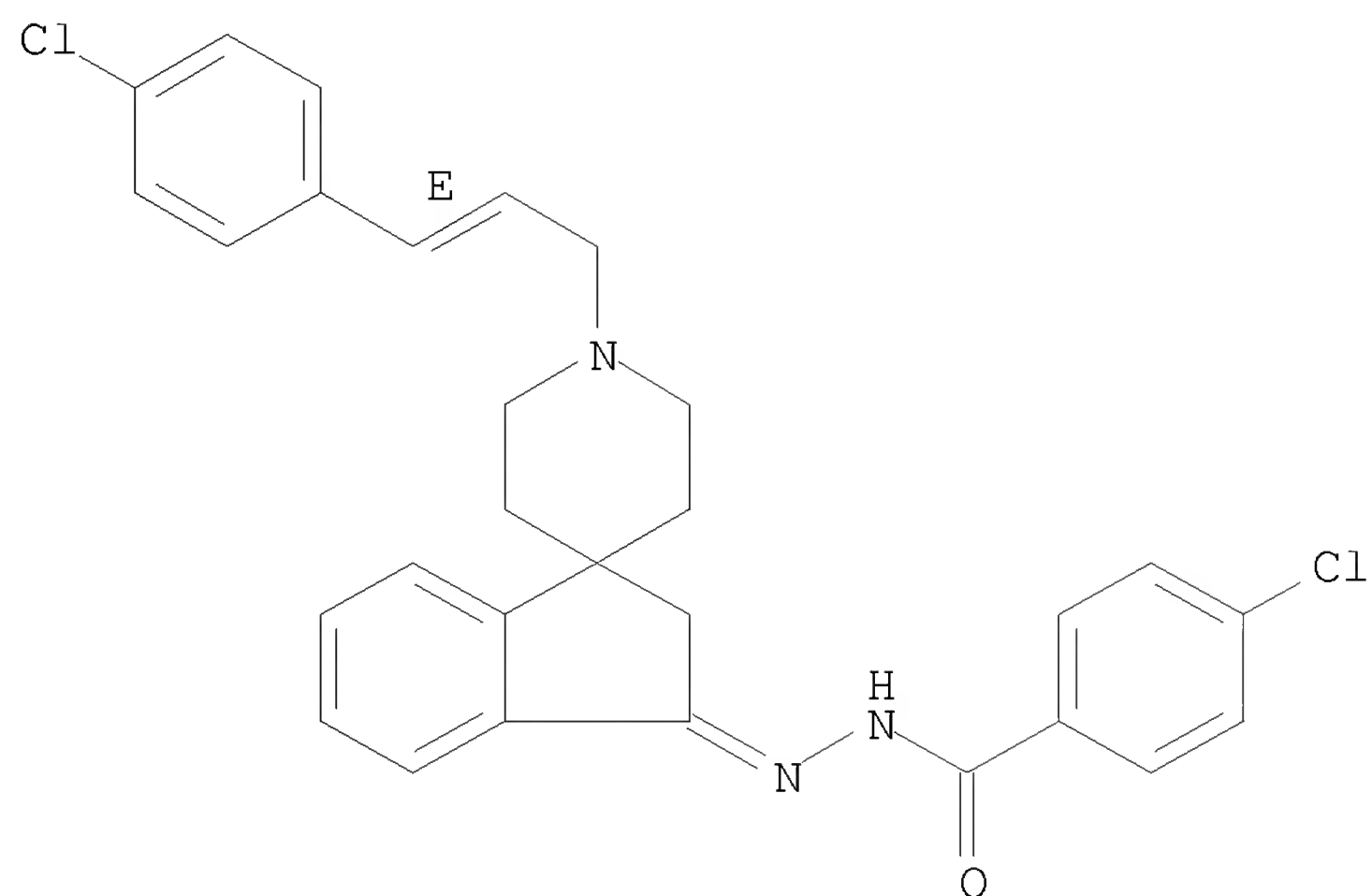


RN 855849-72-8 CAPLUS  
CN Benzoic acid, 4-chloro-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-  
dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX  
NAME)

Double bond geometry as described by E or Z.

26/08/2011

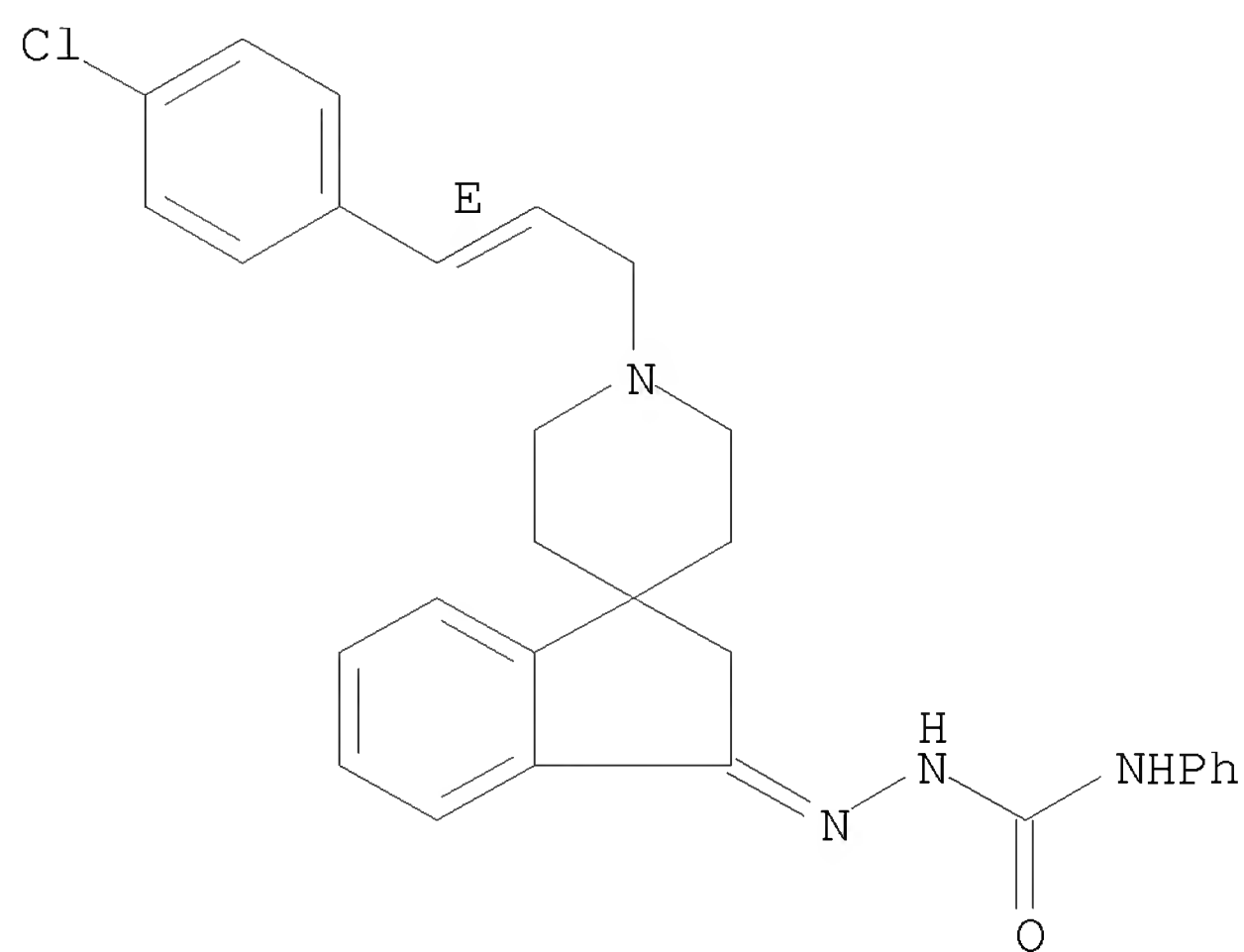
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CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-phenyl- (CA INDEX NAME)

Double bond geometry as described by E or Z.



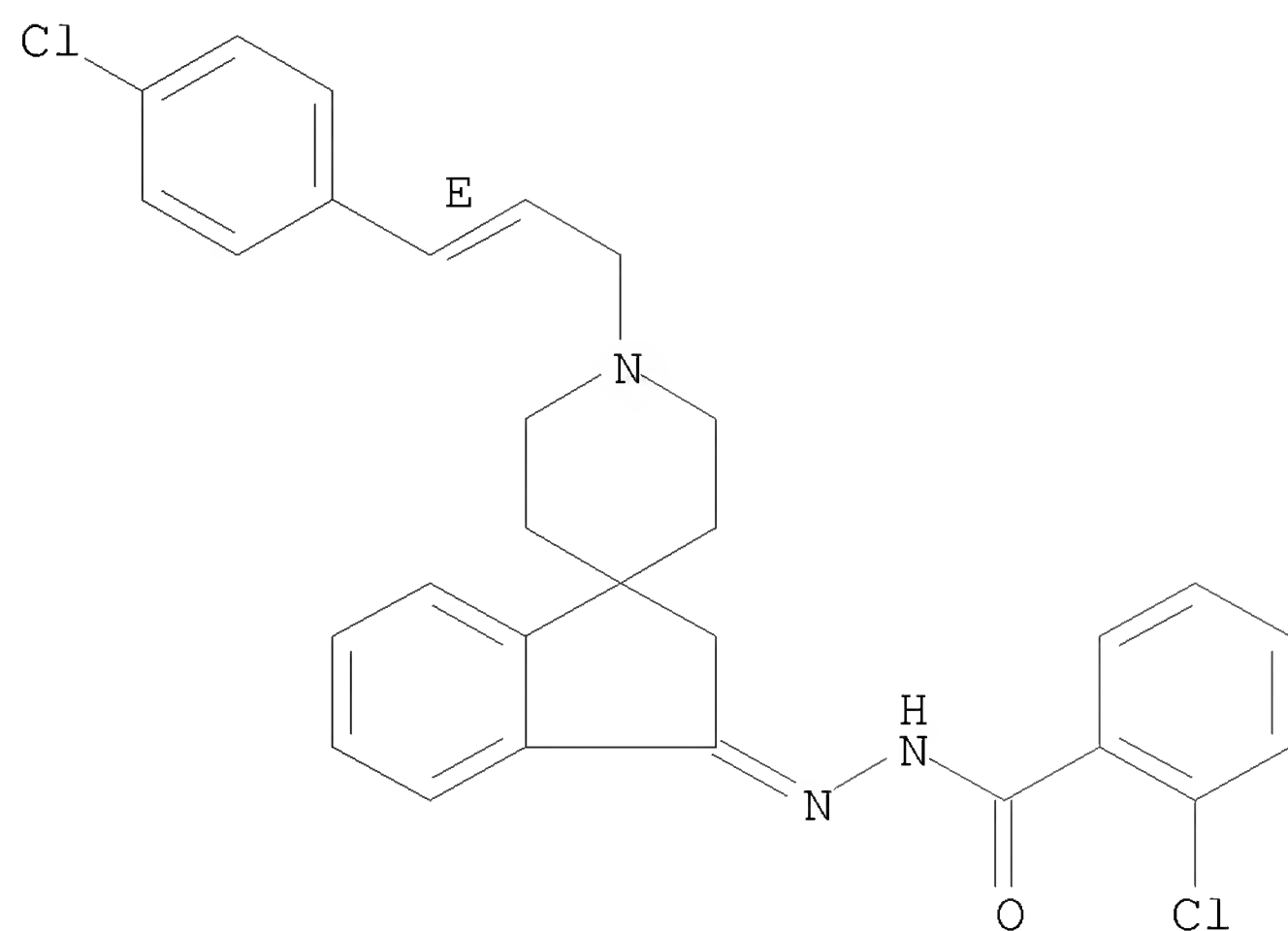
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CN Benzoic acid, 2-chloro-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.

26/08/2011

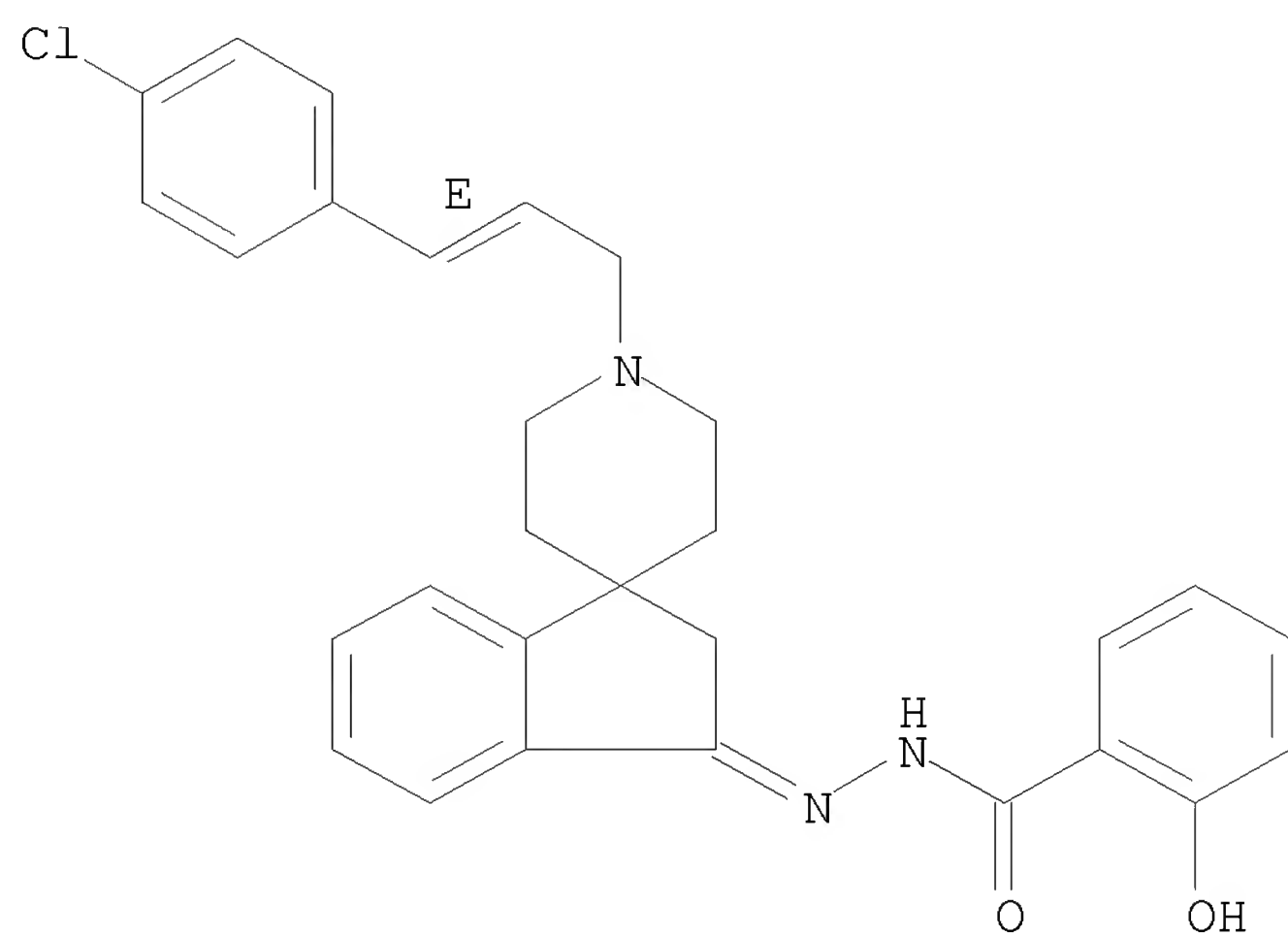
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RN 855849-75-1 CAPLUS

CN Benzoic acid, 2-hydroxy-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.

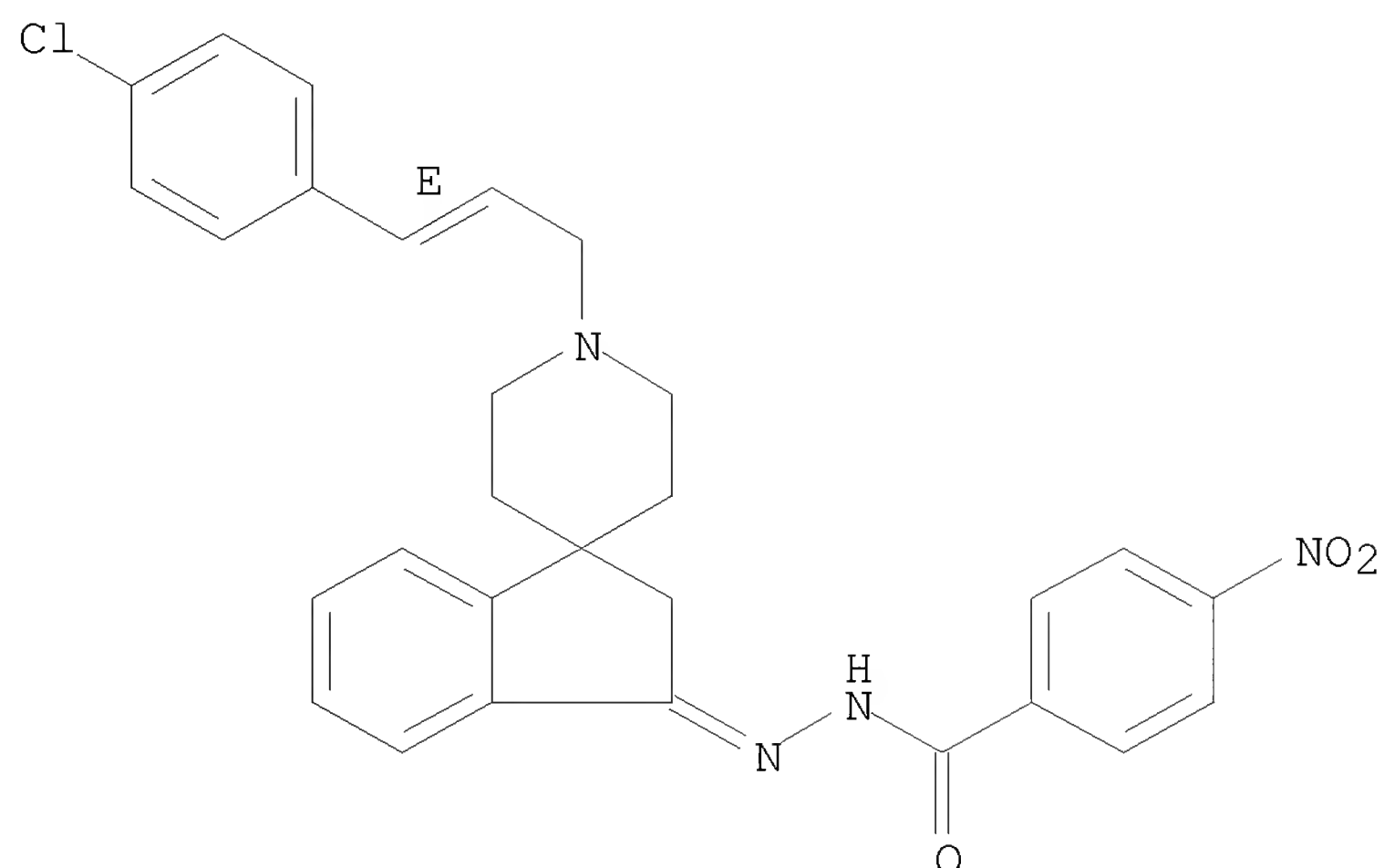


RN 855849-76-2 CAPLUS

CN Benzoic acid, 4-nitro-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

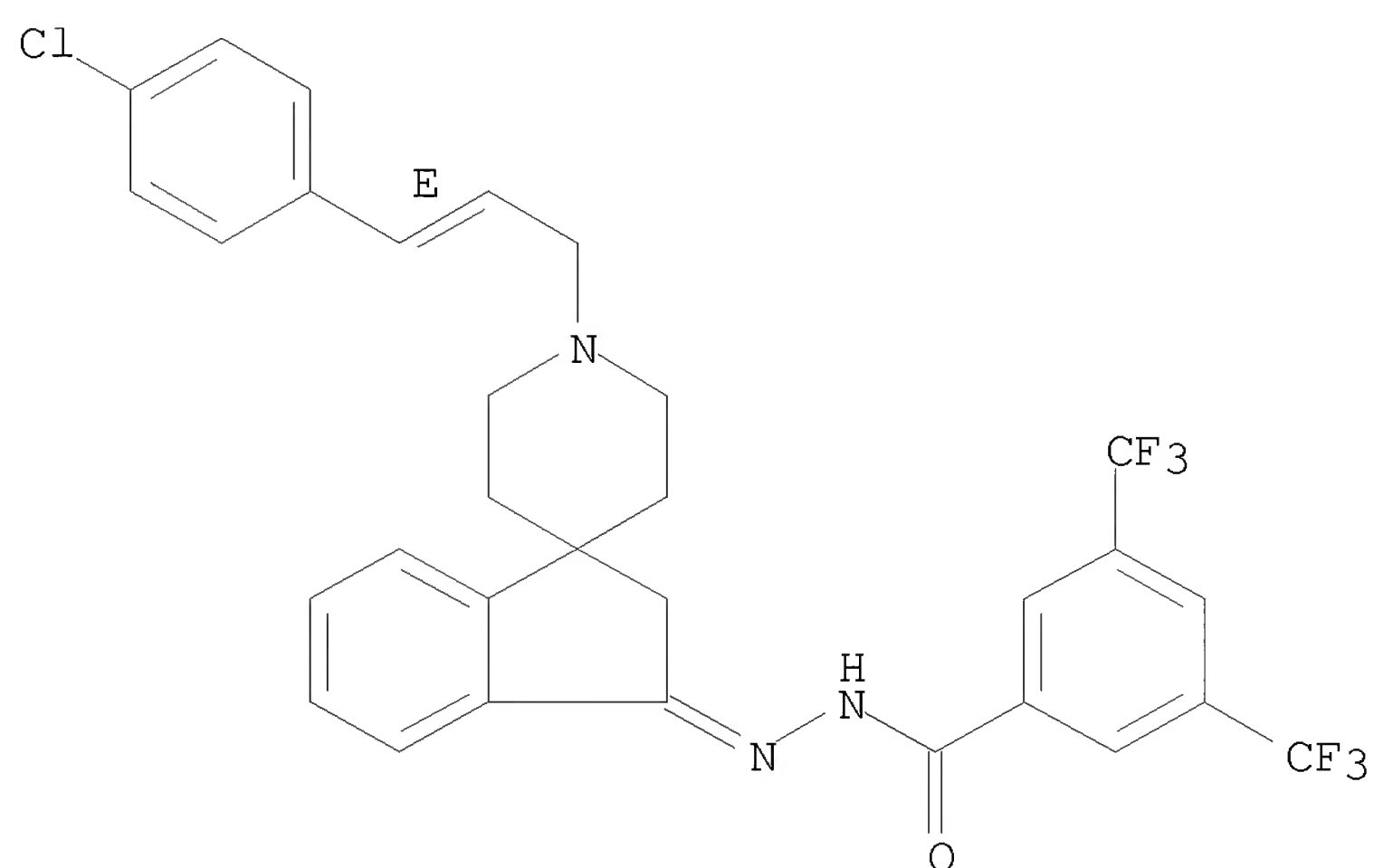
Double bond geometry as described by E or Z.

10581177.trn



RN 855849-77-3 CAPLUS  
CN Benzoic acid, 3,5-bis(trifluoromethyl)-,  
2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-  
1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

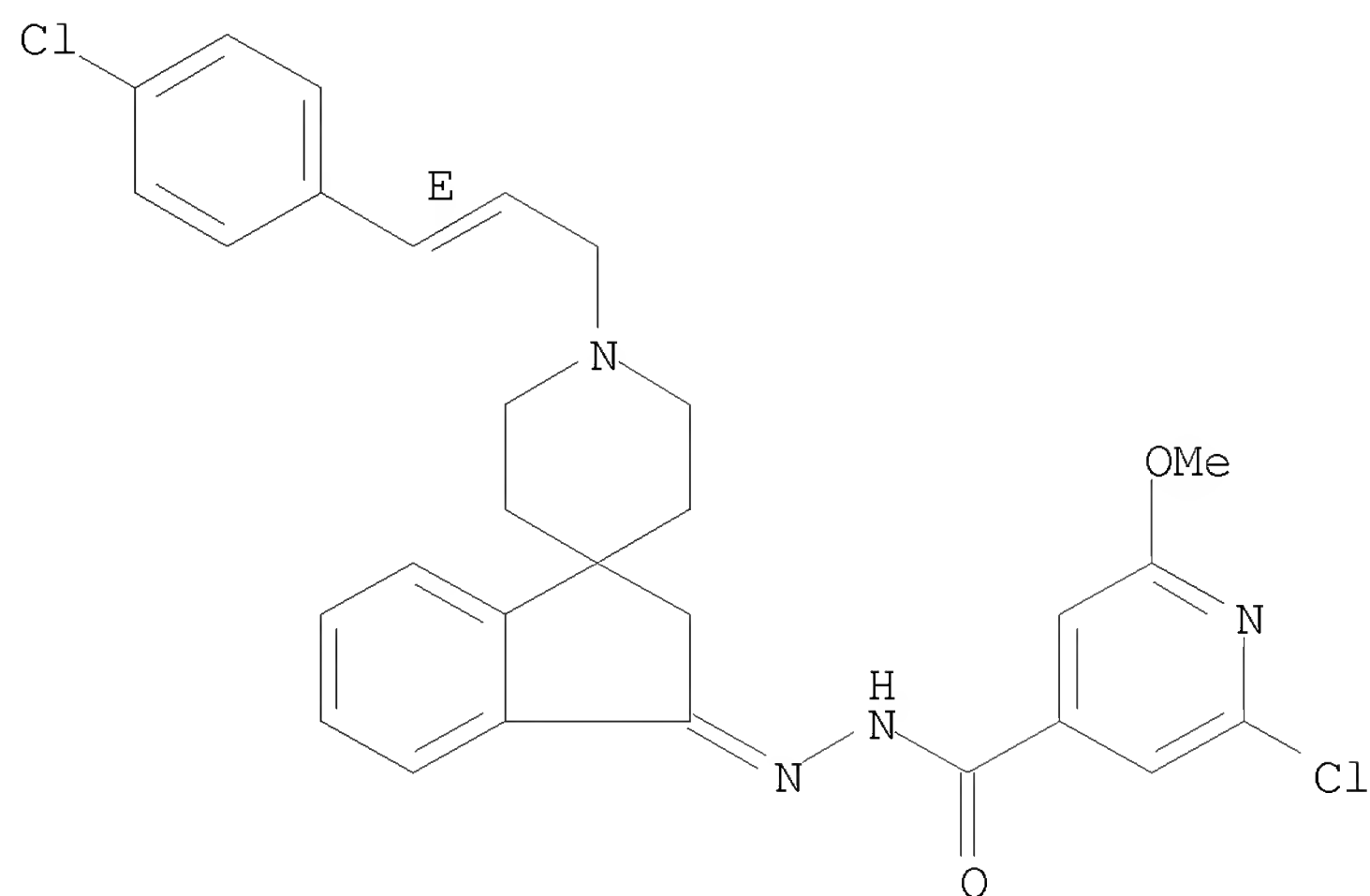
Double bond geometry as described by E or Z.



RN 855849-78-4 CAPLUS  
CN 4-Pyridinecarboxylic acid, 2-chloro-6-methoxy-,  
2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-  
1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

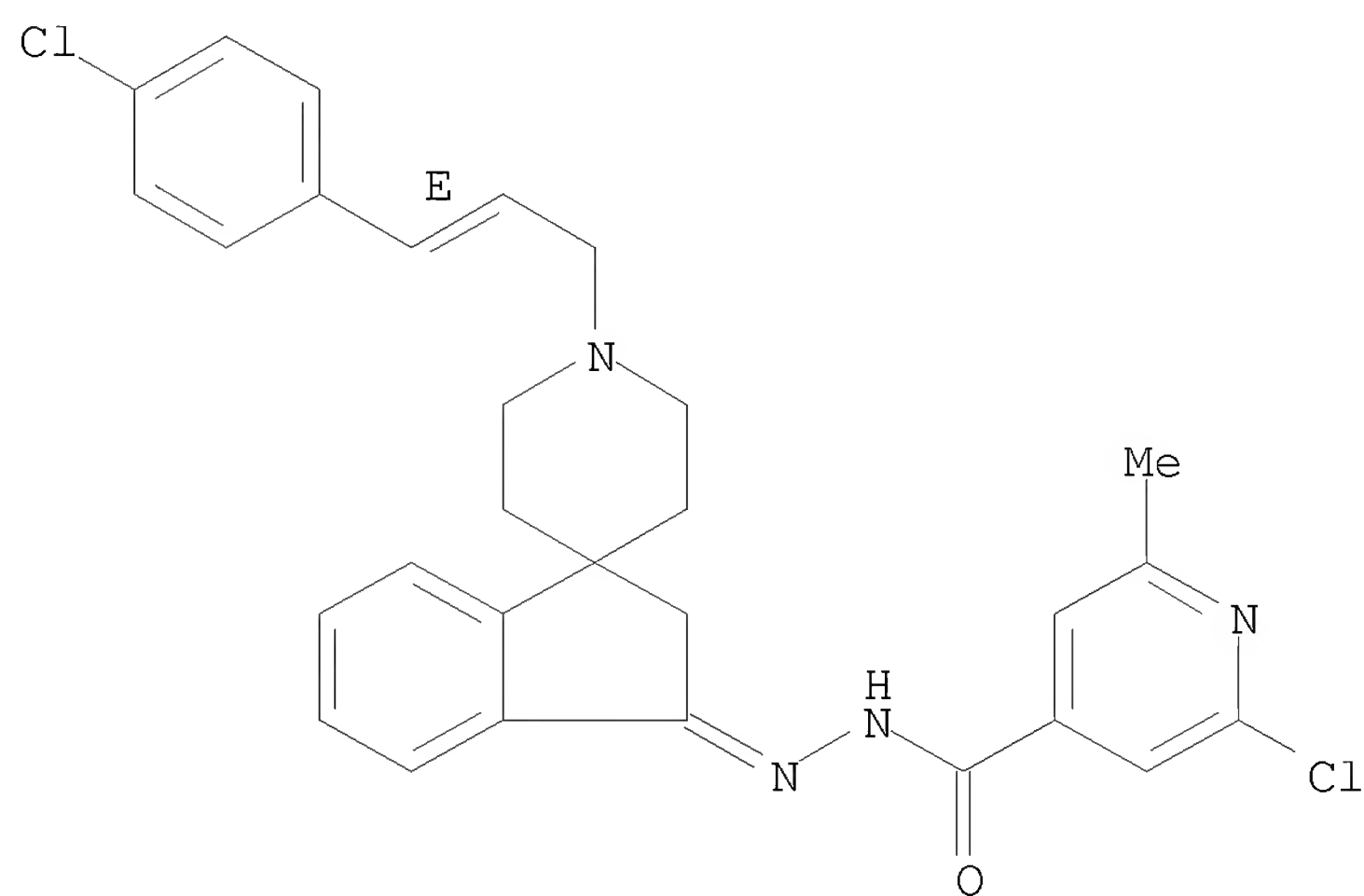
Double bond geometry as described by E or Z.

10581177.trn



RN 855849-79-5 CAPLUS  
CN 4-Pyridinecarboxylic acid, 2-chloro-6-methyl-,  
2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-  
1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

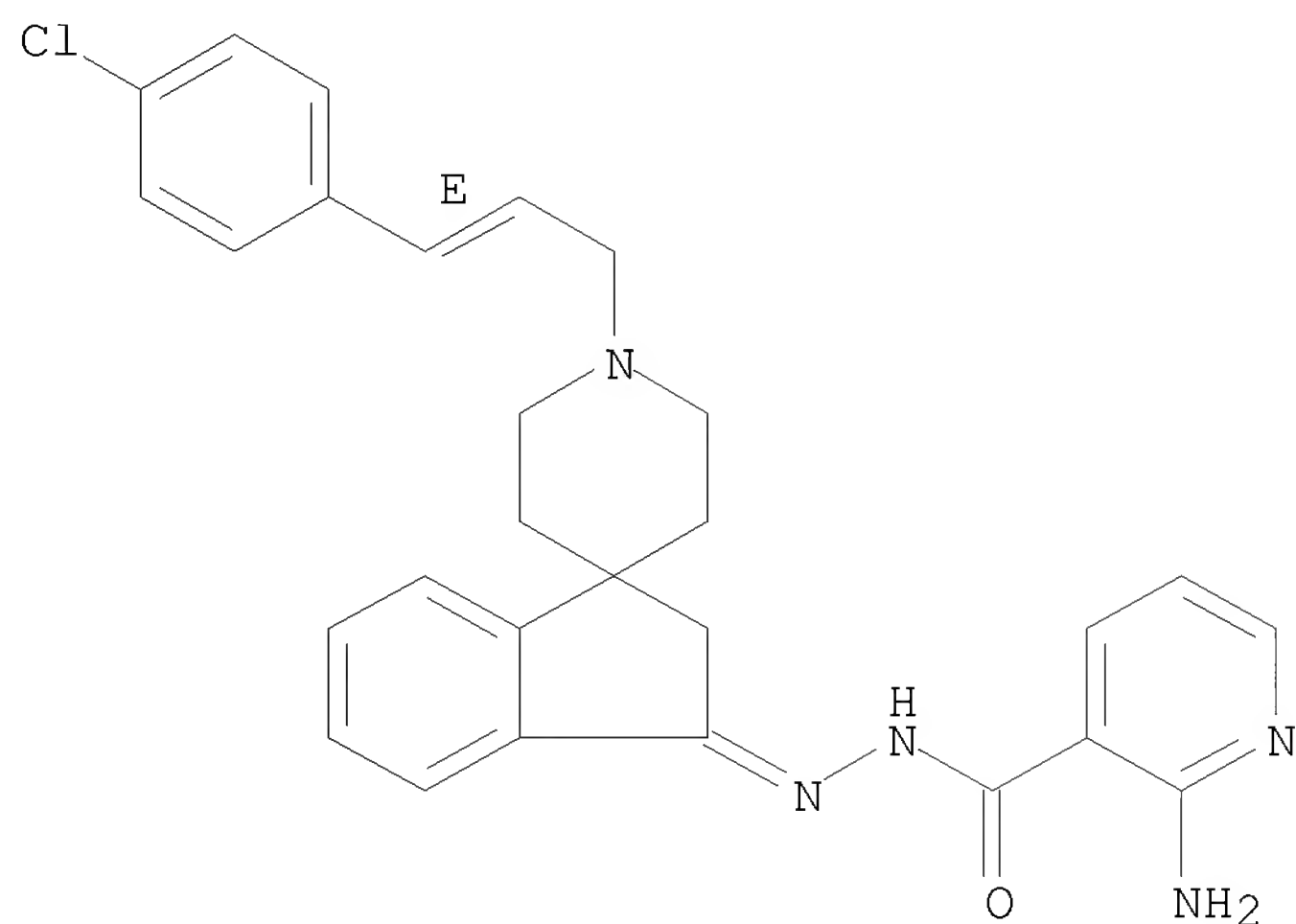
Double bond geometry as described by E or Z.



RN 855849-80-8 CAPLUS  
CN 3-Pyridinecarboxylic acid, 2-amino-,  
2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-  
1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.

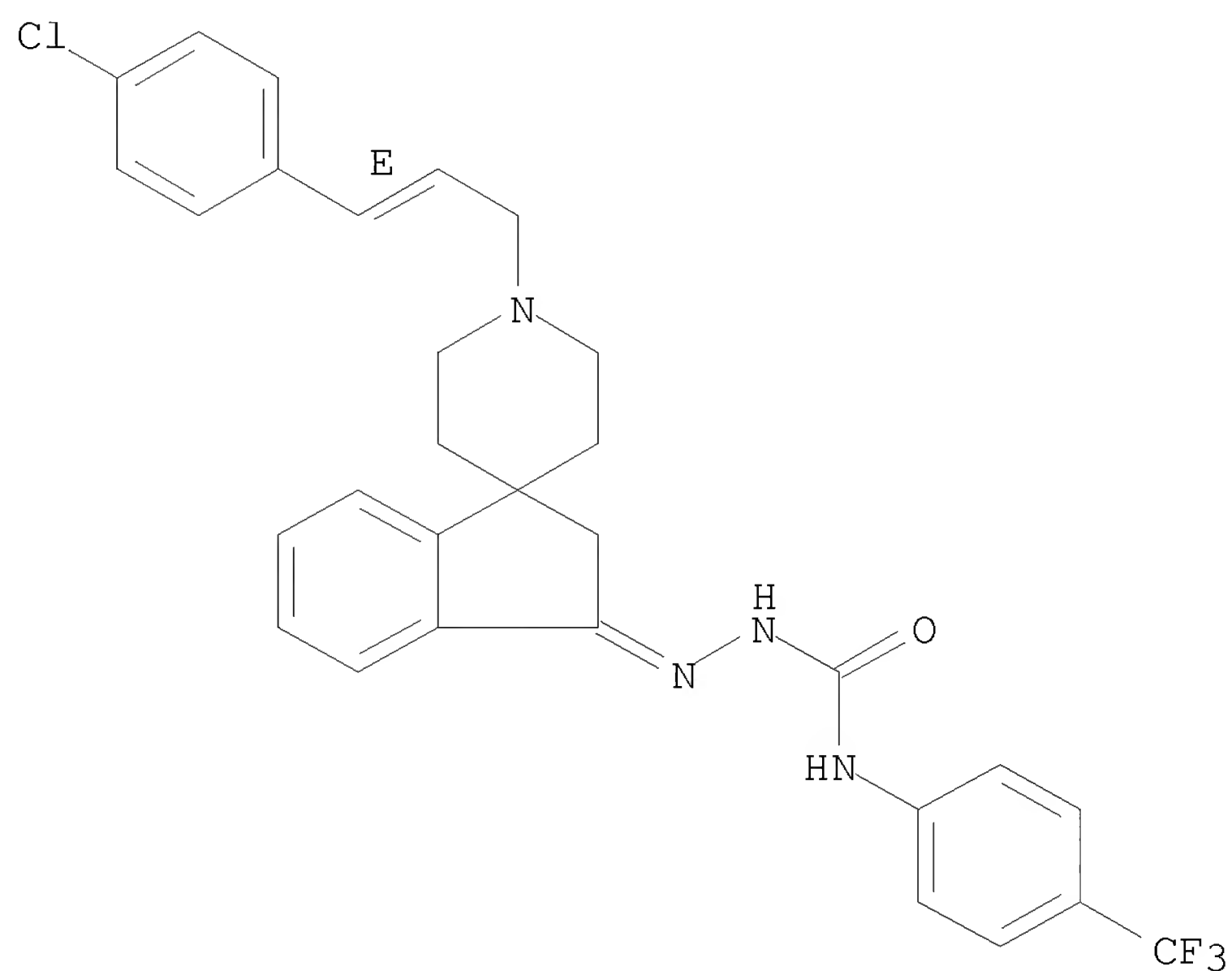
10581177.trn



RN 855849-81-9 CAPLUS

CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-[4-(trifluoromethyl)phenyl]- (CA INDEX NAME)

Double bond geometry as described by E or Z.



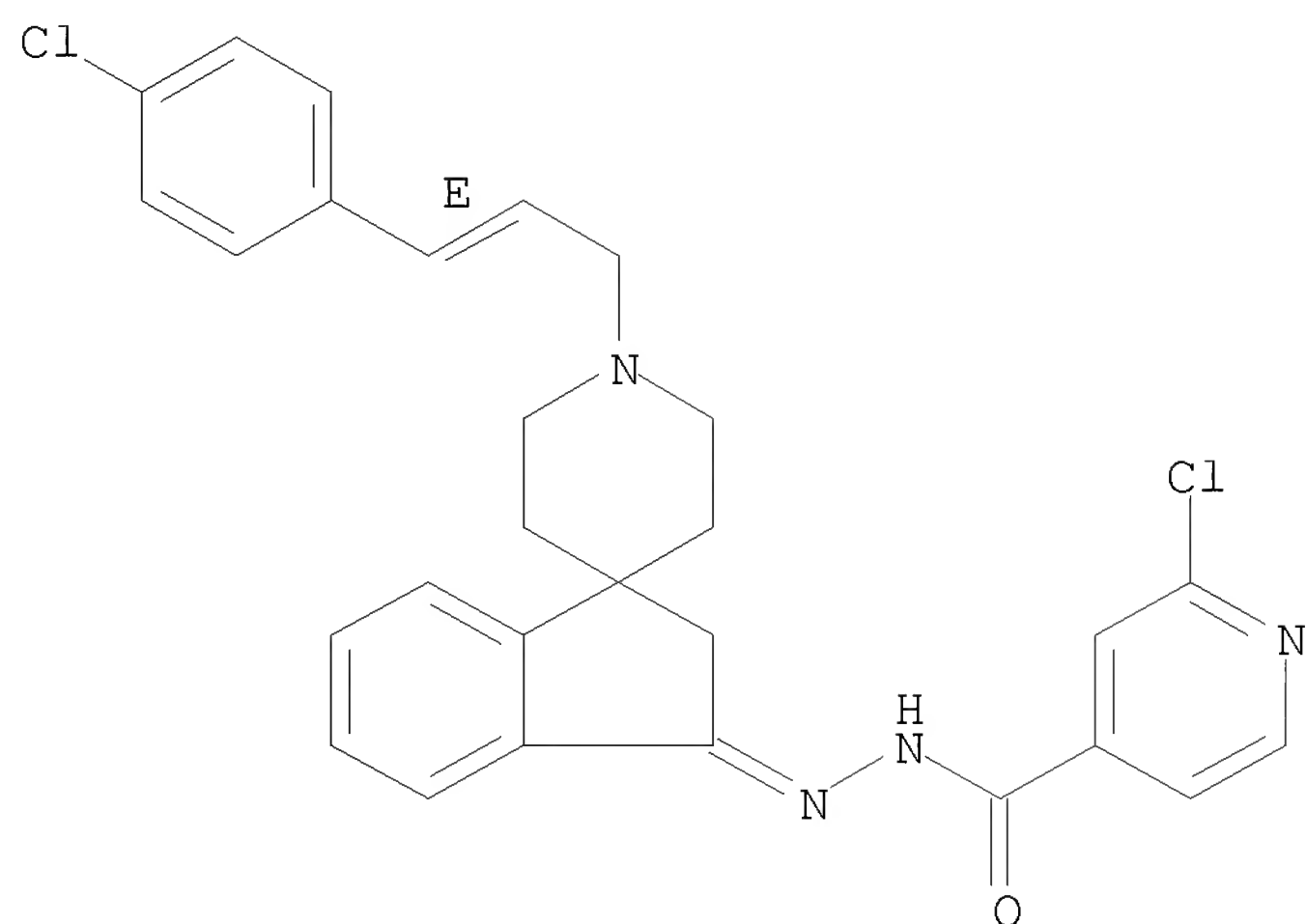
RN 855849-85-3 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.

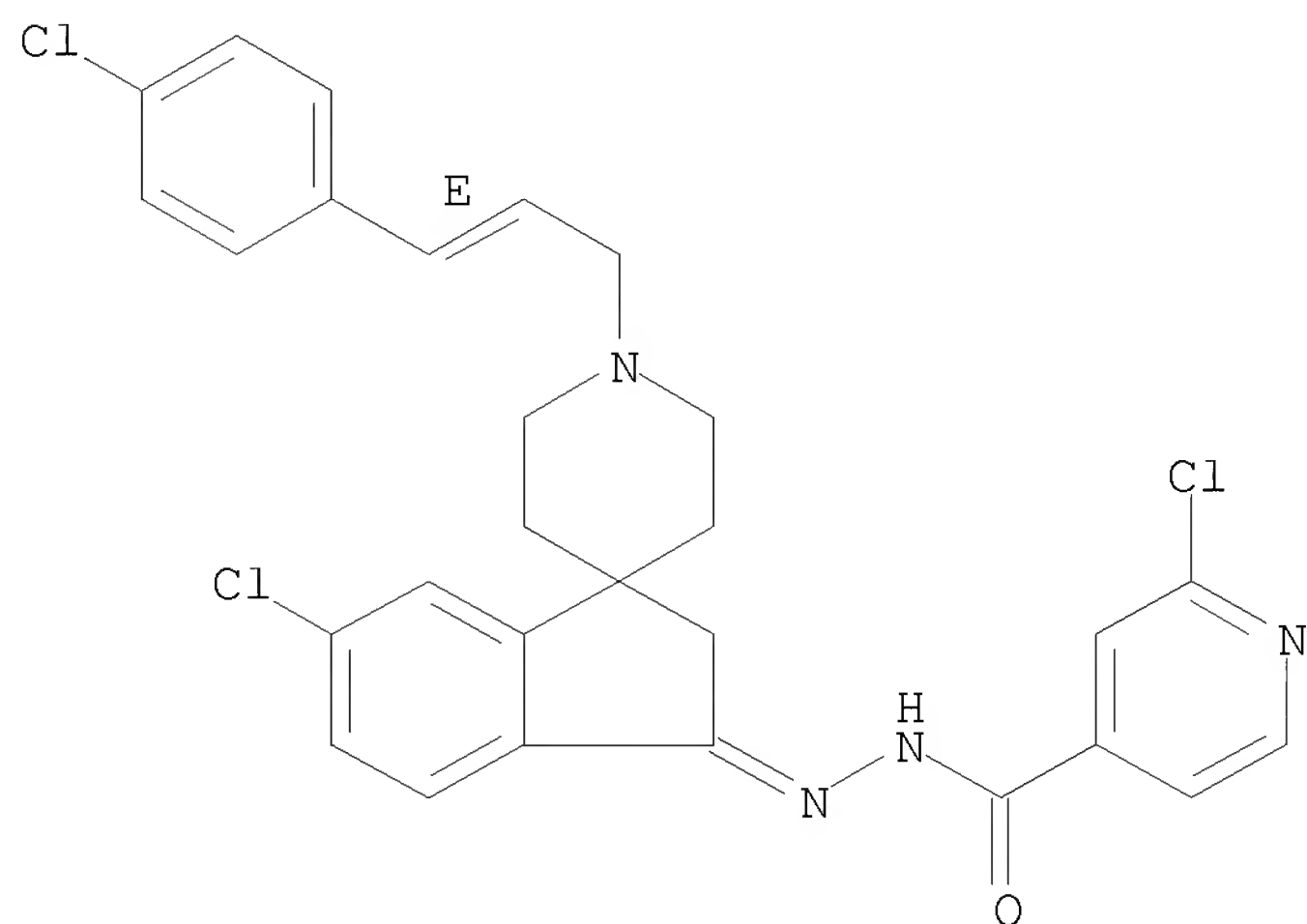
26/08/2011

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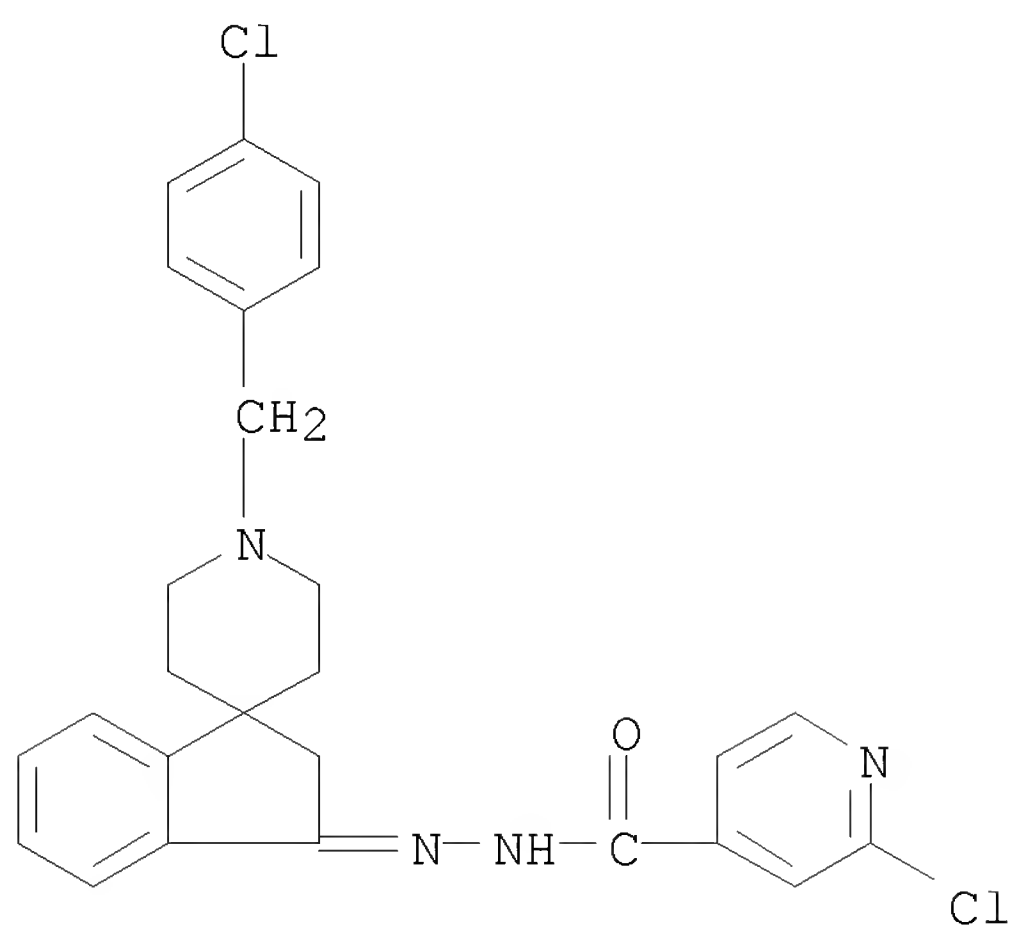
RN 855849-86-4 CAPLUS  
CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[6-chloro-1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-  
indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.

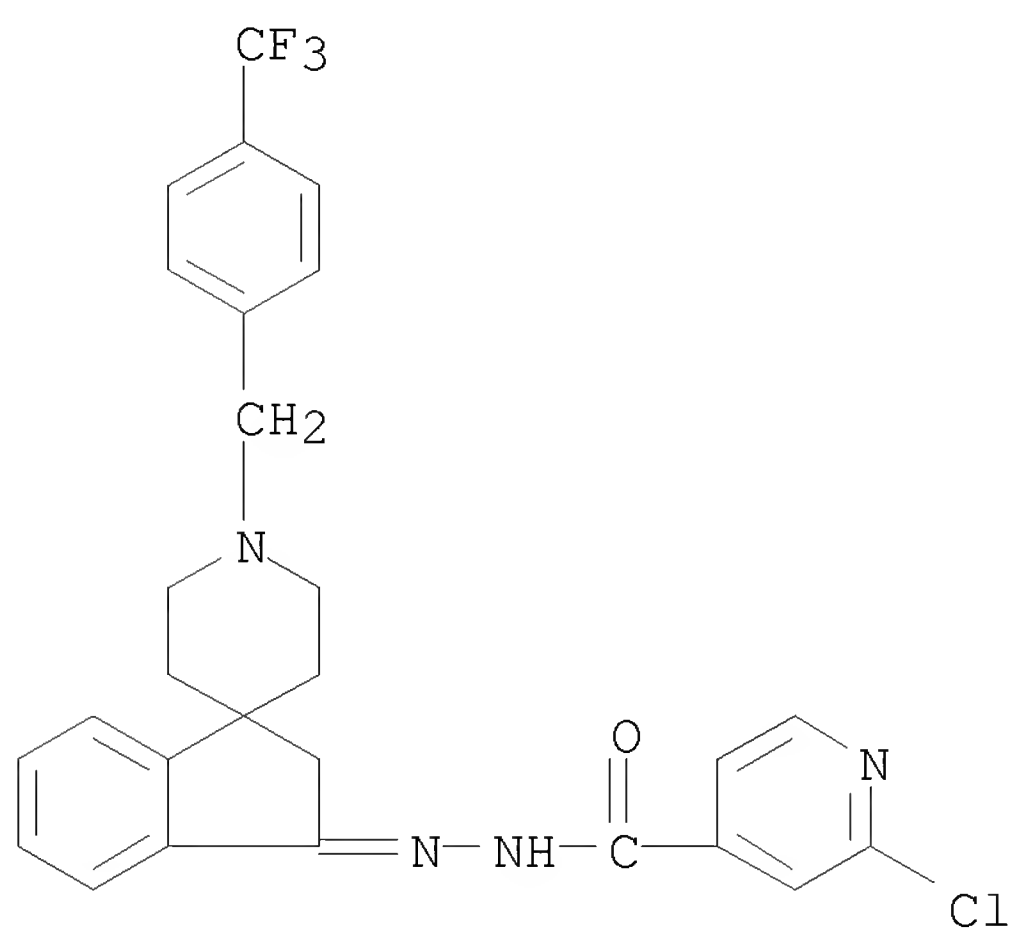


RN 855849-87-5 CAPLUS  
CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[1'-[(4-chlorophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-  
3-ylidene]hydrazide (CA INDEX NAME)

10581177.trn



RN 855849-94-4 CAPLUS  
CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-[2,3-dihydro-1'-[[4-(trifluoromethyl)phenyl]methyl]spiro[1H-indene-1,4'-  
piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

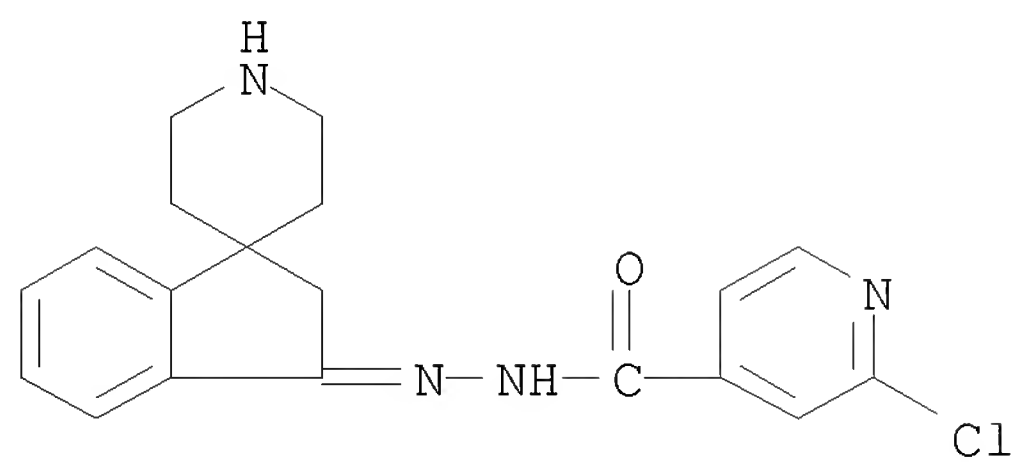


IT 855849-93-3P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of insecticidal spiroindane derivs. as insecticides,  
acaracides, molluscicides and nematocides)  
RN 855849-93-3 CAPLUS  
CN 4-Pyridinecarboxylic acid, 2-chloro-,  
2-(2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene)hydrazide (CA  
INDEX NAME)

26/08/2011



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RE.CNT 5      THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> file registry

C

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STRUCTURE FILE UPDATES: 25 AUG 2011 HIGHEST RN 1323485-64-8

DICTIONARY FILE UPDATES: 25 AUG 2011 HIGHEST RN 1323485-64-8

CAS Information Use Policies apply and are available at:

Uploading C:\Users\rdesai\Documents\STN Express 8.4\Queries\10581177.str



chain nodes :

15 16 17 18

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14

chain bonds :

8-15 16-17 17-18

ring bonds :

1-2 1-6 1-7 1-10 2-3 3-4 4-5 5-6 7-8 8-9 9-10 9-11 10-14 11-12 12-13 13-14

exact/norm bonds :

1-2 1-6 1-7 1-10 2-3 3-4 4-5 5-6 7-8 8-9 8-15 16-17 17-18

normalized bonds :

9-10 9-11 10-14 11-12 12-13 13-14

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS

L5 STRUCTURE UPLOADED

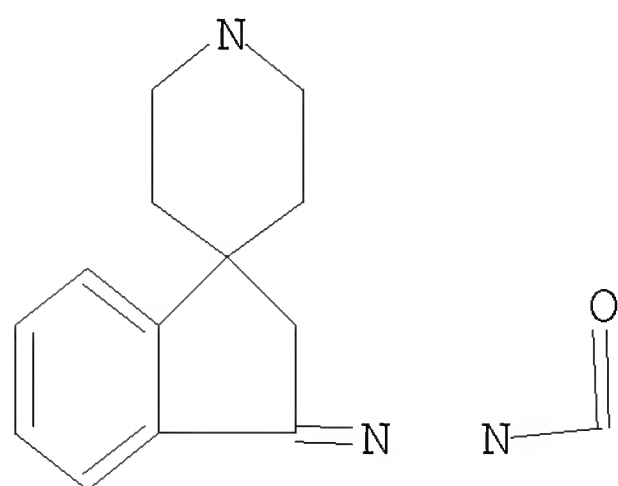
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L5 HAS NO ANSWERS

L5 STR

26/08/2011

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Structure attributes must be viewed using STN Express query preparation.

=> s l5

SAMPLE SEARCH INITIATED 16:20:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1291 TO ITERATE

100.0% PROCESSED 1291 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 23665 TO 27975

PROJECTED ANSWERS: 5 TO 234

L6 5 SEA SSS SAM L5

=> s l5 ful

FULL SEARCH INITIATED 16:20:06 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 26312 TO ITERATE

100.0% PROCESSED 26312 ITERATIONS

42 ANSWERS

SEARCH TIME: 00.00.01

L7 42 SEA SSS FUL L5

C

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2011.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L8 3 L7

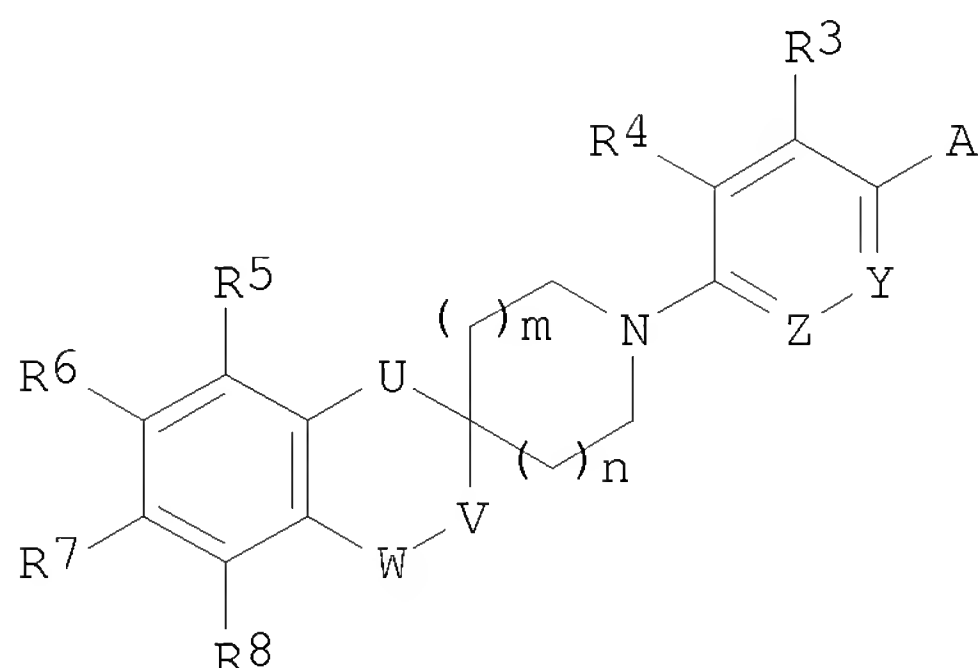
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26/08/2011

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26/08/2011

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2011 ACS on STN  
GI



I

AB Disclosed is an agent represented by a general formula I (A = CONHR<sub>1</sub>, ER<sub>2</sub>; R<sub>1</sub> = (un)substituted C1-6 alkyl, (un)substituted C3-6 cycloalkyl; E = 1,3,4-oxadiazol, 1,2,4-oxadiazol, imidazol; R<sub>2</sub> = H, (un)substituted C1-6 alkyl, phenyloxy, phenylamino, pyridylamino; R<sub>3</sub>, R<sub>4</sub> = H, halogen, C1-6 alkyl, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub> = H, halogen, C1-6 (halogenated)alkyl, C1-6 (halogenated)alkoxy; Z, Y = N, :CH- except Z = Y = :CH-; U = single bond, methylene, CH(OH), carbonyl, O, S, sulfinyl, sulfonyl; V = single bond, methylene, CH(OH); W = methylene, CH(OH), etc.; m, n = 0, 1 except m = 0/n = 1 and m = 1/n = 0), or is pharmaceutically acceptable salt as an active component. The agent has stearoyl-CoA desaturase-inhibitory effect, and suitable for use for prevention and/or treatment of related disease, e.g. obesity, hyperlipidemia, lipid metabolism disorder, diabetes, etc. For example, 6-(3,4-dihydro-1'H-spiro[chromene-2,4'-piperidin]-1'-yl)-N-(2-hydroxy-2-phenylethyl)piridazine-3-carboxamide (II) was prepared. The compound II showed  $\geq 50$  % stearoyl-CoA desaturase activity-inhibitory effect at 0.2  $\mu$ M in vitro. Also, a capsule containing II 50 mg/150 mg capsule was formulated.

AN 2009:1430440 CAPLUS

DN 151:565181

TI Pharmaceutical agent containing novel spiro piperidine derivatives having stearoyl-CoA desaturase-inhibitory effect

IN Uto, Yoshikazu; Kiyotsuka, Yohei

PA Daiichi Sankyo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 136 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2009269850	A	20091119	JP 2008-120937	20080507
PRAI	JP 2008-120937		20080507		
OS	MARPAT 151:565181				
IT	1024604-69-0P				

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

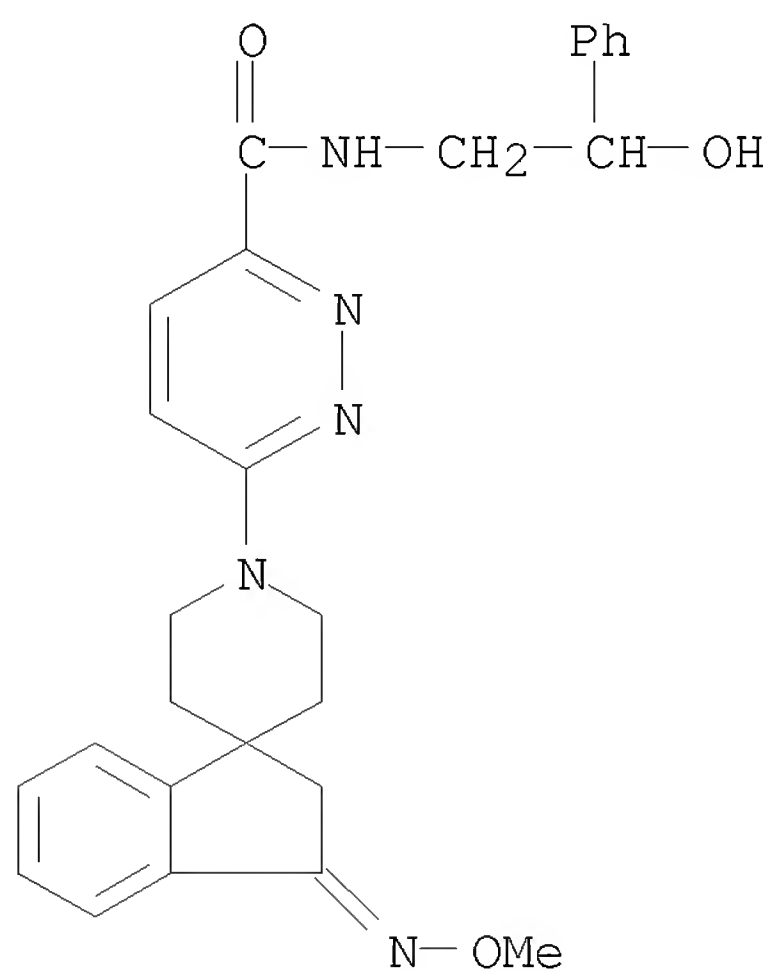
(novel spiro piperidine derivs. having stearoyl-CoA

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desaturase-inhibitory effect)

RN 1024604-69-0 CAPLUS

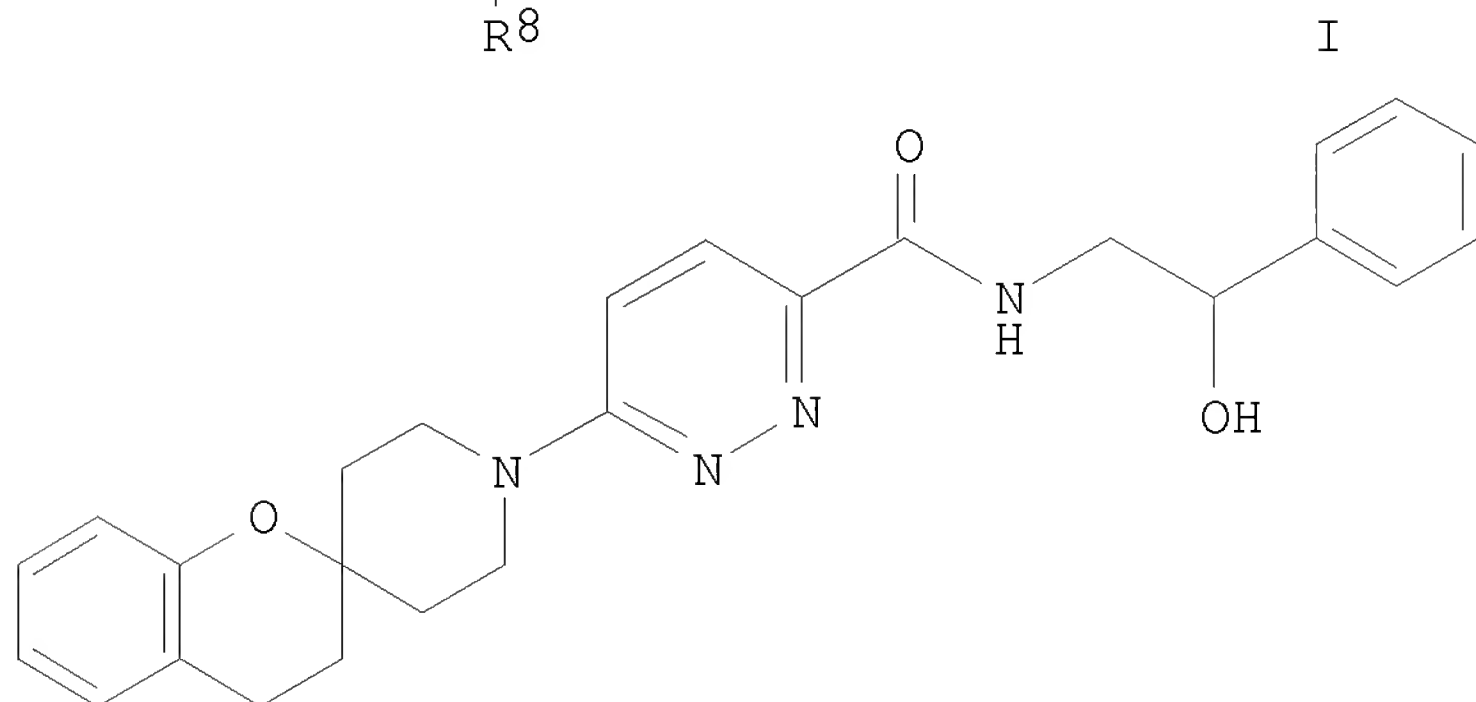
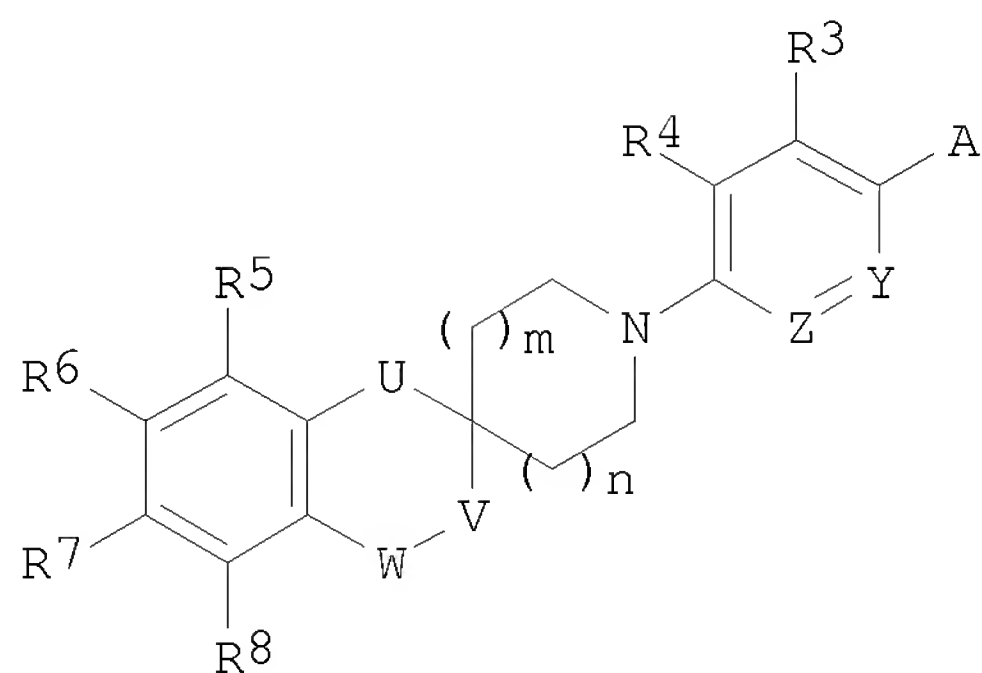
CN 3-Pyridazinecarboxamide, 6-[2,3-dihydro-3-(methoxyimino)spiro[1H-indene-1,4'-piperidin]-1'-yl]-N-(2-hydroxy-2-phenylethyl)- (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

26/08/2011

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2011 ACS on STN  
GI



II

AB The title compds. [I; A = CONHR<sub>1</sub> or ER<sub>2</sub>; R<sub>1</sub> = (un)substituted C1-6 alkyl or C3-6 cycloalkyl; E = 1,3,4-oxadiazole, 1,2,4-oxadiazole, or imidazole group; R<sub>2</sub> = H, each (un)substituted C1-6 alkyl, phenyloxy, phenylamino, or pyridylamino; R<sub>3</sub>, R<sub>4</sub> = H, halo, C1-6 alkyl; R<sub>5</sub>-R<sub>8</sub> = H, halo, C1-6 alkyl, C1-6 haloalkyl, C1-6 alkoxy, C1-6 haloalkoxy; Z, Y = N, CH; U = single bond, methylene, CH(OH), CH(OQ<sub>1</sub>), CO, C(:NOQ<sub>2</sub>), O; Q<sub>1</sub>, Q<sub>2</sub> = C1-6 alkyl; m, n = 0 or 1, provided that a case where m = 0 and n = 1 or m = 1 and n = 0 is excluded] or pharmacol. acceptable salts were prepared These compds. have excellent stearyl-CoA-desaturase inhibitory activity and are useful for the prevention and/or treatment of obesity, hyperlipidemia, hypertriglyceridemia, insulin resistance syndrome, abnormal glucose tolerance, diabetes, diabetes complications (including diabetes peripheral nerve disorder, diabetic nephropathy, diabetic retinopathy, and diabetic macroangiopathy), cataract, gestational diabetes, polycystic ovary syndrome, arteriosclerosis, atherosclerosis, diabetic arteriosclerosis, hypertension, cerebral vascular disorders, coronary artery disease, fatty liver, nonalcoholic fatty hepatitis, dyspnea, backache (lumbago), gonarthrosis, gout, and cholelithiasis. Thus, a suspension of 92 mg 6-chloro-N-(2-hydroxy-2-phenylethyl)pyridazine-3-carboxamide, 67 mg 3,4-Dihydro-1'H-spiro[chromene-2,4'-piperidine], and diisopropylethylamine in n-butanol was heated at 120° for 25 h to give 49% 6-(3,4-dihydrospiro[chromene-2,4'-piperidin]-1'-yl)-N-(2-hydroxy-2-phenylethyl)pyridazine-3-carboxamide (II). II at 2 μM inhibited ≥50% stearyl-CoA-desaturase. A capsule and a tablet formulation containing II were described.

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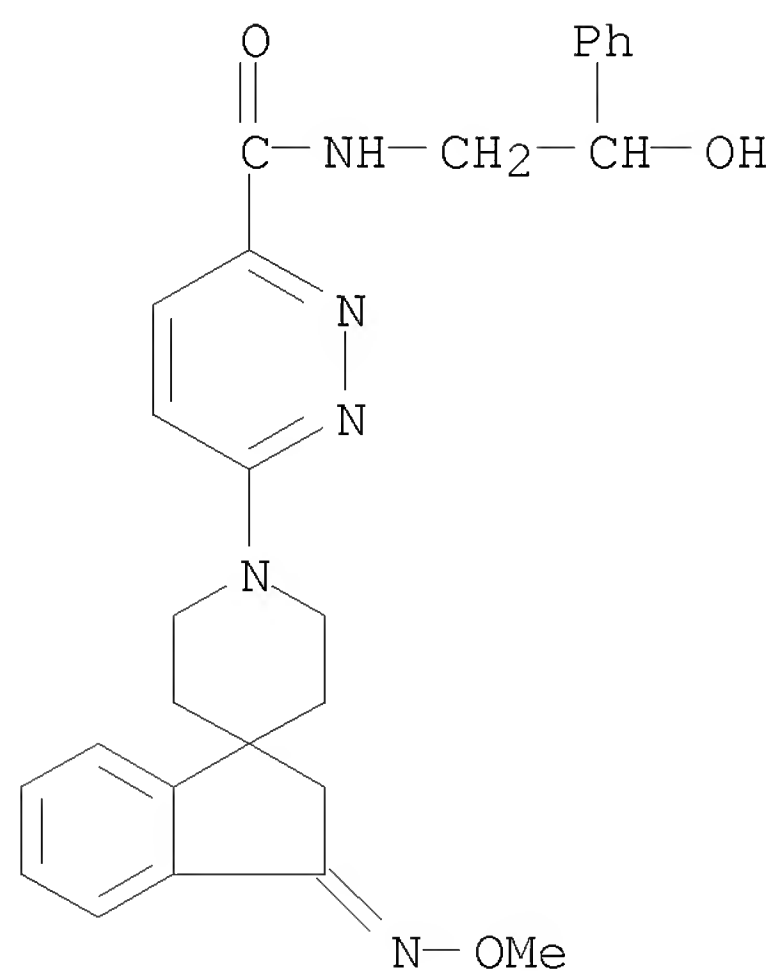
AN 2008:583341 CAPLUS  
DN 148:538285  
TI Preparation of spiropiperidine derivatives as stearoyl-CoA-desaturase  
inhibitors  
IN Uto, Yoshikazu; Kiyotsuka, Yohei  
PA Daiichi Sankyo Company, Limited, Japan  
SO PCT Int. Appl., 233pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2008056687	A1	20080515	WO 2007-JP71605	20071107
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI	JP 2006-303866	A	20061109		
OS	MARPAT 148:538285				
IT	1024604-69-0P, N-(2-Hydroxy-2-phenylethyl)-6-[3-(methoxyimino)- 2,3-dihydrospiro[indene-1,4'-piperidin]-1'-yl]pyridazine-3-carboxamide RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of spiropiperidine derivs. as stearoyl-CoA-desaturase inhibitors)				
RN	1024604-69-0	CAPLUS			
CN	3-Pyridazinecarboxamide, 6-[2,3-dihydro-3-(methoxyimino)spiro[1H-indene- 1,4'-piperidin]-1'-yl]-N-(2-hydroxy-2-phenylethyl)- (CA INDEX NAME)				

26/08/2011

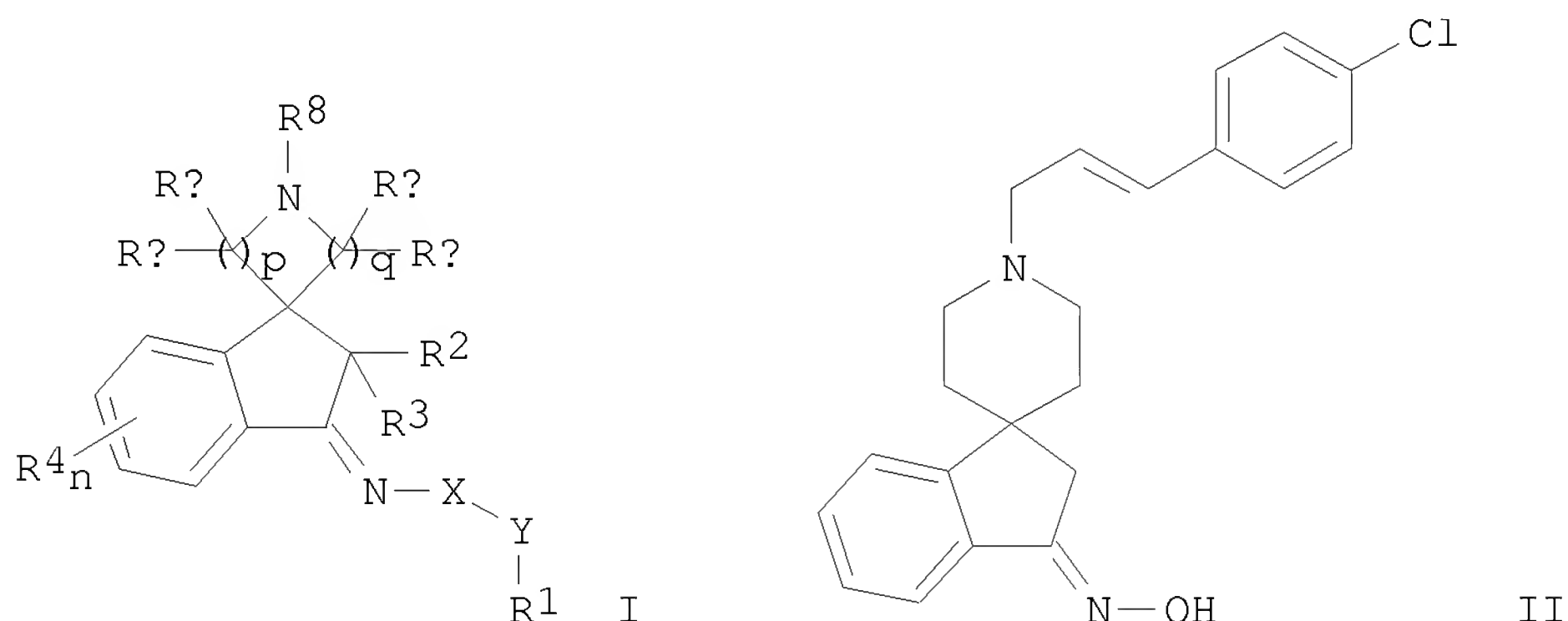


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OSC.G	7	THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
RE.CNT	34	THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2011 ACS on STN  
GI



AB Title compds. I [X = O, amino; Y = bond, CO, CS, SOO-2; R1 = H, alkyl, alkoxy carbonyl, etc.; R2-3 = H, halo, CN, alkyl, etc.; R4 = halo, NO2, CN, etc.; Ra = H, halo, OH, CN, etc.; p, q = 0-6; R8 = alk(en/yn)yl, etc.] are prepared For instance, II is prepared in 3 steps from spiro[indan-1-one-3,4'-piperidine]-1'-carboxylic acid tert Bu ester, 4-chlorocinnamyl chloride and hydroxylamine (E (dominant) and Z oximes isolated). Selected example compds. gave >80% control of *Spodoptera littoralis*. I are useful in controlling insects, acarines, nematodes or molluscs.

AN 2005:570877 CAPLUS

DN 143:77964

TI Preparation of insecticidal spiroindane derivatives

IN Cassayre, Jerome; Molleyres, Louis-Pierre; Maienfisch, Peter; Cederbaum, Fredrik

PA Syngenta Participations A.-G., Switz.

SO PCT Int. Appl., 114 pp.

CODEN: PIXXD2

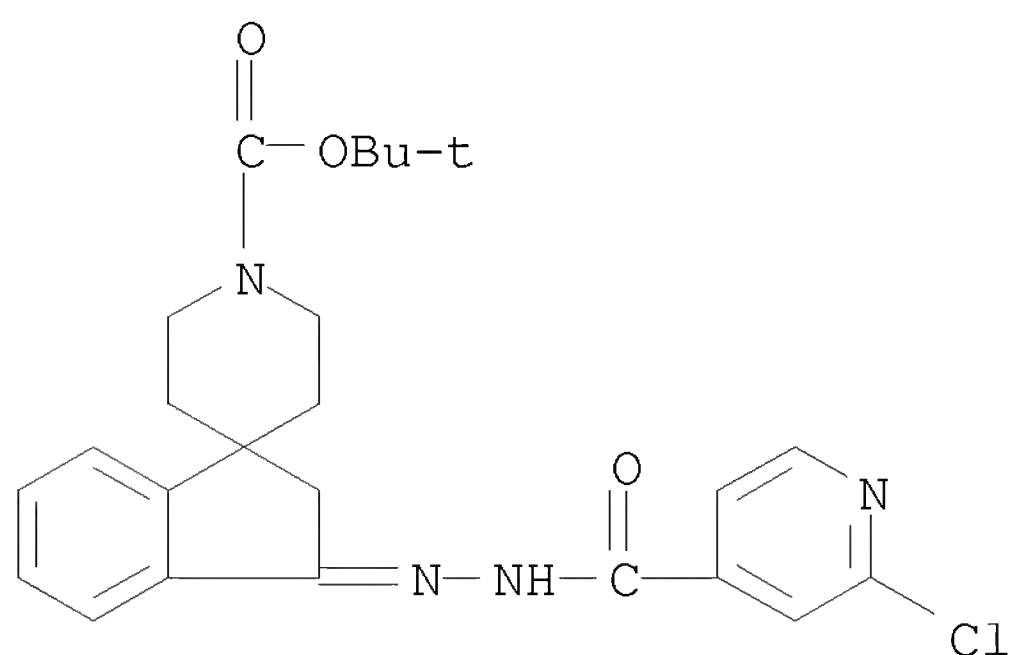
DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058836	A1	20050630	WO 2004-IB4108	20041209
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1697327	A1	20060906	EP 2004-806338	20041209
EP 1697327	B1	20110713		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS  
BR 2004017555 A 20070327 BR 2004-17555 20041209  
JP 2007516253 T 20070621 JP 2006-543659 20041209  
AT 516273 T 20110715 AT 2004-806338 20041209  
IN 2006CN02077 A 20070706 IN 2006-CN2077 20060612  
US 20080306101 A1 20081211 US 2008-581177 20080828  
PRAI GB 2003-28906 A 20031212  
WO 2004-IB4108 W 20041209  
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
OS CASREACT 143:77964; MARPAT 143:77964  
IT 855849-47-7P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT  
(Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP  
(Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of insecticidal spiroindane derivs. as insecticides,  
acaracides, molluscicides and nematocides)  
RN 855849-47-7 CAPLUS  
CN Spiro[1H-indene-1,4'-piperidine]-1'-carboxylic acid,  
3-[2-[(2-chloro-4-pyridinyl)carbonyl]hydrazinylidene]-2,3-dihydro-,  
1,1-dimethylethyl ester (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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